

FREE OF COST

## Multiple Choice QUESTIONS IN CHEMISTRY



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The soul of chemistry is dealing	A. Ice	
with?	B. Diamond	
	C. Sucrose	
A. Internal structural changes in matter	D. Plastic	
B. Composition of matter		
C. Properties of matter	Covalent network crystals	
D. Composition and properties of matter	have?	
2. composition mad proportion or matter	·	
The radioactive isotope of hydrogen is	A. higher melting point then molecular crystals	
called?	B. lower melting point then molecular crystals	
	C. discrete molecules linked by Van der waals	
A. tritium	forces	
B. deuterium	D. hydrogen bonding	
C. protium	. , ,	
D. ortho-hydrogen	What is a mixture of Potassium Nitrate	
	Powdered Charcoal and Sulphur called?	
Electron was discovered by?	2011 <b>2011 2011 2011 2011 2011 2011 2011</b>	
Ziecki on was discovered by	A. Paint	
A. Michael Faraday	B. Glass	
B. James Maxwell	C. Gun Powder	
C. Yuri Gagarin	D. Cement	
D. J.J Thomson	D. Cement	
D. 9.9 THOMSON	Diameter of an atom is in the order	
Sodium carbonate is produced	of ?	
by?	·	
·	A. 0.2m	
A habar process	B. 0.2mm	
A. haber process	C. 0.2nm	
	D. 0.2pm	
C. decons process	D. 0.2pm	
D. lead chamber process	Mass spectrometer is used to determine Mass	
Which of the following is a substance?	Mass spectrometer is used to determine Mass	
Which of the following is a substance?	number of isotopes and?	
A C	A A ( - u - i - u - u - i - u	
A. Sea water	A. Atomic number	
B. Brass	B. Relative abundance	
C. Tape water	C. Electronic configuration	
D. Graphite	D. All of the above	
E. Sand		
	The number of peaks obtained in mass	
Read More Details about this Mcq	spectrometry shows?	
	. 5.1.	
Some substances are good conductor of	A. Relative abundance	
electricity in both the solid and liquid states.	B. Average mass of element	
These substances are	C. Number of isotopes	
generally?	D. Relative isotopic mass	
A. ionic substances	Empirical formula of chloroform	
B. metallic substances	is?	
C. molecular solids		
D. covalent network solids	A. CH2 C12	
	B. CH3C1	
All of the following substances are crystalline	C. CC14	
except?	D. CHCL3	
	Read More Details about this Mcq	

Molecular mass of water (18g)	A. oxygen
means?	B. carbon
A 1	C. tin
A. 1-mole molecules of water	D. chlorine
B. 1-gram molecule of water	The volume ecoupied by 2.9 g of N2 of
C. 3-gram atoms <b>D. all</b>	The volume occupied by 2.8 g of N2 at
D. an	STP?
Which of the following statements about	A. 2.24 dm3
isotopes is correct?	B. 22.4 dm3
isotopes is correct.	C. 1.12 dm3
A. Isotopes with odd atomic number are abundant	D. 112 dm3
B. Isotopes with odd atomic number and even	2111 <del>2 4</del>
mass number are abundant	The number of moles of CO2 which contains 16
C. Isotopes with even atomic number and even	g of oxygen is?
mass number are abundant	
D. Isotopes with even atomic number and odd	A. 0.25
mass no are abundant	B. 0.5
	C. 0.75
One mole of CO2 contains?	D. 1
A. 6.022 x 1023 atoms of oxygen	How many isotopes have odd atomic number?
B. 22-gram electrons	•
C. 6.022 x 1023 atms of carbon	A. 154
D. both B. & C.	B. 280
	C. 86
The number of isotopes of elements with even	D. 300
mass number and even atomic number are	Cost
?	Percentage of calcium in calcium carbonate
	is?
A. 280	
B. 300	A. 80%
C. 154	B. 30%
D. 54	C. 40%
	D. 20%
Which of the following terms is not used for	
ionic compound ?	Mostly elements have fractional atomic masses
A C 1	because of?
A. formula unit	A mass of an atom its-16 is in 6
B. empirical formula	A. mass of an atom itself is in fraction
C. molecular formula	B. atomic masses are average masses of isobars
D. formula mass	C. atmoic masses are average masses of isotopes
males of each aluminium and arreas was at with	proportional to their relative abundance
moles of each aluminium and oxygen react with	D. atmoic masses are average masses of isotopes
each other to produce aluminium oxide. The	Which of the following is not a magremal and
amount of product formed is?	Which of the following is not a macromolecule?
1.5 é	•
A. 0.18 mole	A. sand
B. 0.27 mole	B. haemoglobin
C. 0.24 mole	C. diamond
D. 0.09 mole	D. maltose
Which one of the following has the maximum	Isotopes of the same elements
number of isotopes ?	has?

A. different number of protons	Which one is true about isotope?	
B. same number of neutrons		
C. different number of neutrons	A. Same number of neutrons	
D. same mass number (nucleon number)	B. Same mass number	
` '	C. Same physical properties	
When cationic molecular ions are allowed to	D. Same chemical properties	
pass through strong magnetic field in mass	2 · Sumo chemical properties	
spectrometer which of the following ions is	Which of the following ion formation is always	
fallen?	exothermic?	
	caother nic .	
A. lighter	A. Uni-negative	
B. intermediate	B. Uni-positive	
C. heavier		
	C. Di-negative	
D. are collected at same time	D. Di-positive	
For which of the following compounds the term	The sample of isotopes of an element which	
empirical formula cannot be applied?		
empirical formula cambot be applied:	needs not to be vaporized in the vaporization chamer?	
A NoCl	chaniei;	
A. NaCl		
B. H2O	A. Gas	
C. CCI4	B. Liquid	
D. It can be applied to all mentioned above	C. Volatile solid	
	D. All	
The properties of an element mosly		
corresponds to that isotope which has	Avogadros number may	
greater?	represent?	
A. Mass number	A. volume of particles	
B. Atomic mass	B. number of particles	
C. Relative abundance	C. mass of particles	
D. all of the above	D. All of the above	
1 a.m.u =?	Size of molecule depends	
	upon?	
A. 1.6 x 10-27 kg		
B. 1.6 x 10-24 kg	A. Atomicity	
C. 1.6 x 10-26 kg	B. Shape of molecule	
D. 1.6 x 10-28 kg	C. Both A and B	
6	D. Difficult to predict	
Which of the following are isoelectronic species	F	
?	Which of the following terms is used for the	
•	mass of chlorine 35.5?	
A. H+ H H-	mass of emotine 33.3.	
B. Li+ Na+ K+	A. relative atomic mass	
C. C1- Br- I	B. mass number	
D. F- Ne Na+	C. atomic weight	
	D. relative isotopic mass	
Molecular ions are formed by		
passing?	Which one of the following is not the mono	
	isotopic element ?	
A. High energy electron beam		
B. ? – particle	A. arsenic	
C. X-rays	B. uranium	
D. All of the above	C. iodine	
	D. nickel	

The mass of decimole of electrons (NA)	C. protons	
is?	D. protons and neutrons	
	-	
A. 1.008 mg	When 0.5 mole of phosphoric acid is dissolved	
B. 0.184 mg	in aqueous solution how many moles of -ve and	
C. 0.054 mg	+ve ions are collected altogether?	
D. 5.4 mg	. 10 10 10 10 10 10 10 10 10 10 10 10 10	
D. 3. 1 mg	A. 0.5	
Which of the following statements is wrong	B. 1	
	C. 1.5	
about isotopes ?		
A .1 1100	D. 2	
A. they possess different mass number		
B. they possess different physical properties	Dempsters mass spectrometer has number of	
C. they possess same chemical properties	zones / parts?	
D. they possess different position in the		
periodic table	A. 5	
	B. 4	
Qualitative analysis is carried out for	C. 3	
?	D. 2	
·	D. 2	
A. identification of elements	All the following variables are used to describle	
B. estimation of amounts of elements	_	
	gases except?	
C. molar ration of elements		
D. molar volume of elements	A. pressure	
	B. volume	
Combustion analysis is performed to	C. moles	
determine?	D. density	
Free of	Cost	
A. Empirical formula	Methyl alcohol is not used	
B. Molecular mass	as?	
C. Molecular formula	*	
D. Formula mass	A. a solvent	
2.1 official mass	B. an anti freezing agent	
Isotopes differ in?	C. a substitute for petrol	
isotopes unter m:	-	
A	D. for denaturing of ethyl alcohol	
A. properties which depend upon mass	0 ( ) 1 ( ) ( ) ( ) ( )	
B. arrangement of electrons in orbitals	Oxygen (molecular weight = 32) diffuses at a	
C. chemical properties	rate of 10cm3/min under the same conditions of	
D. all of the above	temperature and pressure how fast will	
	hydrogen (molecular weight = 2) diffuse ?	
Which of the following methods is used to		
estimate hydrogen in an organic compound?	A. 20cm3/min	
• • •	B. 40cm3/min	
A. Combustion method	C. 160cm3/min	
B. Dumas method	D. 2.5cm3/min	
C. Kjeldahls method	D. 2.3cm3/1mm	
<u>.</u>	As a substance management a solid to a liquid	
D. All of the above methods are for different	As a substance moves from a solid to a liquid	
purposes	all of the following changes occur except ?	
The nucleus of an atom of every element will	A. molecules become more disordered.	
always contain?	B. K.E of the molecules decreases	
	C. intermolecular forces become weaker.	
A. neutrons	D. molecules move more frequently.	
B. protons and electrons		
-	The rectified spirit is ?	

A. 12% alcohol B. 90% alcohol C. 95% alcohol D. 100% alcohol	When methl iodide and ethyl iodide are treated with sodium metal possible major products are obtained?
Which of the following solids show anisotropy?	A. 1 B. 2 C. 3 D. 4
A. Plastic B. Glass C. Rubber D. None of the above	Which statement is consistent with Hunds rule?
Butyl chloride gives possible isomers ?	A. Electrons fill orbitals with parallel spins until all the orbitals of the same energy are half filled then they go into sub-shells with anti-
A. 2 B. 3 C. 4 D. 5	parallel (opposite) spin.  B. The electrons in the same atom cannot have the same four quantum numbers  C. There is maximum of two electrons is an
Metallic crystals are soluble in?	orbital.  D. None
A. Polar solvent B. Non polar solvent C. Fused metal	Atomic number of Mn is 25 what is the electronic configuration in the ground state?
D. None	A. 1s2 2s2 2p6 3s2 3p6 3d7 B. 1s2 2s2 2p6 3s2 3p6 4s2 4p5 C. 1s2 2s2 2p6 3s2 3p5 3d10
measured by a balance called?	D. 1s2 2s2 2p6 3s2 3p6 4s23d5  Which of the following is mineral fiber?
A. Analytical balance B. Guoys balance	A. Teflon
C. Electrical balance	B. asbestos
D. Single beam balance	C. saran
	D. acrylic
Which of the following properties prove that	
cathode rays are material in	The hardest of the following solids
nature?	is?
A they got shedow	A. sodium
A. they cast shadow  B. they possess momentum	B. diamond
C. they are negatively charged	C. graphite
D. all of the above	D. magnesium
D. an of the above	D. magnesiam
When an electron is moving with velocity of 2.188 x 106 ms-1 in the first orbit of Bohrs model of hydrogen. The de Broglie wavelength	Which of the solid does not contain covalent bond?
of electron is?	A. copper
	B. ice
A. 0.33 nm	C. diamond
B. 0.34 nm	D. graphite
C. 0.35 nm	
D. 0.36 nm	

The balanced chemical equation for the	A. A	
reaction which occurs when Be is added to	B. Ag	
water is?	C. Both	
	D. Neither	
A. Be+2H2O?Be (OH)2+H2	D. I (citale)	
B. Be+H2O?Be (OH)2+H2	In which of the following type of reactions	
· /	~	
C. Be+H2O?[Be (OH)4]+2+H2	energy of reactant is greater than energy of	
D. no reaction	product?	
Which of the following theories is superior to	A. endothermic	
others?	B. exothermic	
•	C. unpredictable	
A. VSEPR	D. same	
	D. Same	
B. VBT	William of fall and a second and a second and ha	
C. MOT	Which of following metals can be displaced by	
D. none of the above	all other metals from its solution ?	
Which of the following is not characteristics of	A. Ag	
reversible reaction?	B. A	
· · · · · · · · · · · · · · · · · · ·	C. Au	
A vihala amount of reactant does not abone into	D. Cu	
A. whole amount of reactant does not change into	D. Cu	
product		
B. chemical equilibrium is established	Which of the elements do not fall in stair c	
C. a catalyst changes the direction of reaction	of the modern periodic	
D. rate of forward reaction decreases as reaction	table?	
proceeds		
_	A. Si	
A solution has pH = 0 its H+ ion concentration	B. As	
is?	C. Te	
	D. None of the above	
A. 1 x 10-1		
B. 1 x 10-14	Across short period the melting and boiling	
C. 1 x 10-7	point increase upto?	
D. 1	point increase upto	
<b>D. 1</b>	A. IIIA group	
1 mole of electron has mass in		
	B. IVA group	
microgram?	C. VA group	
	D. VIA group	
A. 1.008 x 10-3		
B. 5.5 x 10-4	Which of the following is the formula of	
C. 1.84 x 10-4	chrome red ?	
D. 1.673 x 10-3		
	A. Pb3 O4	
The use of antifreeze in the automobile	B. 2Pb CO3 – Pb (OH)2	
radiator is an important application	C. Pb Cr O4 – Pb (OH)2	
of?	D. Pb2O	
*		
A. constitutive property	Regular coiling or zigzagging of polypeptide	
B. additive property	through hydrogen bonding is	
C. colligative property	its?	
	itoi	
D. intrinsic property	A Overton structure	
A4 121 1 .4 . 1. 4 . 1 . 4 . 6 . 1 . 4	A. Quantum structure	
At which electrode the reduction of the solution	B. Secondary structure	
is occurring in Al-Ag cell?	C. Tertiary structure	
	D. Primary structure	

	MCQs in Chemistry	
In the van der Waals equation $(P + n2a / v2)$ $(v - nb) = nRT$ which of the following statement is not true?	C. Nitrogen D. Sulphur	
not true:	Purines and pyrimidines	
<ul><li>A. n2a/v correct for the intermolecular forces.</li><li>B. nb correct for the volume occupied by gas</li></ul>	are?	
molecules.	A. Enzymes	
C. at high densities the equation reduces to the	B. Nitrogenous bases	
ideal gas law	C. Carbohydrates	
D. all of the above statements are correct.	D. Lipids	
The inhaled breath of diabetics patient contain	All the transition elements	
acetone. A medical student wishes to test for	show?	
diabetes by asking patient to bubble their	A Circlian alessical annualist	
breath through a reagent ?	<ul><li>A. Similar physical properties</li><li>B. Similar chemical properties</li></ul>	
A. alkaline aquenous iodine	C. Both A and b	
B. aqueous bromine	D. None	
C. Fehling solution	D. Hone	
D. aqueous NaOH	In solids the temperature is the measure	
	of ?	
When aquious bromine is added to aqueous	<del></del>	
phenol a creamy white ppt is obtained. What	A. Average kinetic energy of molecules	
does this reaction show?	B. Vibrational kinetic energy	
	C. Translational kinetic energy	
A. phenol is unsaturated	D. None of the above	
B. 2-bromophenol is insoluble in water		
C. a hydroxy group makes the benzene ring	Fruit juices and fizzy drinks such as lemonade	
more susceptible to electrophilic attack  D. acid-base reaction	are often sold in aluminium cans. What is the	
D. acid-base reaction	most important reason aluminium is a suitable metal?	
If a graph is plotted between temperature on x-	metai:	
axis and volume on y-axis for 1 mole of gas	A. aluminium can be recycled	
then we get straight line which cuts the	B. aluminium has very low density	
temperature exis at?	C. aluminium is the most abundant metal in the	
	earth crust	
A. 0?C	D. aluminium is resistant to corrosion by	
B. 273.16K	organic acids.	
C. ?273.16 K		
D. ?273.16?C	On heating aldehydes with Fehlings solution we	
	get a precipitate whose colour	
Benzene is a good solvent	is?	
for?	A	
A fata	A. pink	
A. fats B. resins	B. black C. yellow	
C. iodine	D. brick red	
D. all the above	D. BIRATEU	
WILL WAY 1 V	What is maximum number of electrons in an	
Which of the following element doesnot show	orbital with m (magnetic quantum number) $= 3$	
allotropy?	?	
— ·		

A. 6 B. 4

A. Carbon

B. Arsenic

C. 3 D. 2	C. saturated and unsaturated D. saturated and super saturated	
Which catalyst is used in contact process?	Consider the following redox reaction. Zn+di HNO3? Zn (NO3)2 + N2O + H2O The	
A. Fe2O3	coefficient number of HNO3 in the equation	
B. V2O5	is?	
C. SO3	15	
D. Ag2O	A. 6	
D. Ag20	B. 8	
Which of the following elements has greater 1st	C. 10	
Which of the following elements has greater 1st	D. 4	
ionization energy?	D. 4	
A. B	Which of the following elements report with	
B. C	Which of the following elements react with	
C. N	steam to produce H2 gas?	
D. O	A. Pd	
D. 0	B. Ni	
XX/1 * 1 . 641 . 6 11 . * 1 . * .		
Which of the following molecule is	C. Sn	
polar?	D. All of the above	
A CCIA	Th	
A. CCI4	The unit of the rate constant (k) is same as that	
B. CO2	of rate of reaction?	
C. BF3		
D. none of the above	A. First order reaction	
	B. Second order reaction	
Which of the following points are important in	C. Zero order reaction	
connection with equilibrium constant?	D. Third order reaction	
A. Vo is constant at given temperature	Agid present in agid rain may	
A. Kc is constant at given temperature	Acid present in acid rain may be?	
B. Kc is unaffected by change in concentration of	DC	
reactants or products  C. Kc indicates the extent of reaction but not	A. H2SO4	
about the rate of reaction.	B. HNO3	
D. All of the above	C. both A and B	
C-1-1-114	D. none of the above	
Solubility of CaF2 is 2.0×10-4 gdm-3 then Ksp	3371 1 . 641 . 611	
of CaF2 is?	Which of the following elements conduct	
A 40 = 10.9	electricity and also melts below 100°C?	
A. 4.0 x 10-8	A A1	
B. 3.2 x 10-11	A. Aluminium	
C. 2.0 x 10-8	B. Sodium	
D. 4.0 x 10-12	C. Carbon	
	D. Sulphur	
The unit of molality is?		
A 1 1 2	The compound which is added to leaded	
A. moles dm-3	gasoline to save engine from lead oxide and	
B. moles kg-1	lead sulphate deposits is?	
C. gram dm-3		
D. none	A. Ethylene iodide	
	B. Ethylene bromide	
A solution can be both?	C. Ethylene chloride	
	D. Ethylene fluoride	
A. dilute and concentrated	-	
B. dilute and saturated	Isotopes differs in ?	

<ul><li>A. arrangement of electrons in orbitals</li><li>B. position in the periodic table</li></ul>	The molecules of CO2 in dry ice form ?
C. properties depend upon mass	<del></del>
D. chemical properties	A. Ionic crystal
1 1	B. Covalent crystal
The volume occupied by 1.4g CO at S.T.P	C. Molecular crystal
is?	D. Any type of crystal
A. 22.4 dm3	Only London dispersion forces are present
B. 2.24 dm3	among the?
C. 1.12 cm3	
D. 1.12 dm3	A. Molecules of water in liquid state
	B. Atoms of helium in gaseous state at high
Which of the following set has all species	temperature
isoelectronic?	C. Molecules of hydrogen chloride gas
	D. Molecules of solid iodine
A. F - Cl - Br	
B. $Li+1 - Na+1 - K+1$	Quantum number values for 3p orbitals
C. F – Ne – Na+	are?
D. H+ – H- – H	<del></del>
	A. n=3 l=2
Water absorber used in combustion analysis	B. n=3 l=0
is?	C. n=3 l=1
	D. n=3 l=3
A. 50% KOH	
B. Lime water	Which specie has unpaired electrons in
C. CaCl2	antibonding molecular
D. Mg (CIO4)2 Free of	orbitals?
The type of filtering media used for filtration	A. O2+2
depending upon?	B. N2-2
depending upon	C. B2
A. Nature of reactants	D. O2-2
B. Nature of crucible	D. 02-2
C. Nature of product	For a given process the heat changes at
D. Nature of precipitate	constant pressure (qp) and at constant volume
D. Nature of precipitate	(qv) are related to each other
A method of separation of components from its	
solution using Distribution law is	as?
?	A. $qp = qv$
	B. $qp < qv$
A. Sublimation	C. qp > qv
B. Crystallisation	D. $qp = qv / 2$
C. Solvent extraction	
D. Distillation	Solubility product of AgCl is 2.0 x 10-10 mol2 dm-6. Maximum Concentration of Ag+1 ions in
Equal masses of methane and oxygen are mixed in empty container at 250?(C) The	the solution is?
fraction of total pressure exerted by oxygen	A. 2.0 x 10-10 mol dm-3
is?	B. 1.414 x 10-5 mol dm-3
	C. 1.0 x 10-10 mol dm-3
A. one / seventeen	D. 1.0 x 10-5 mol dm-3
B. sixteen / seventeen	
C. one / three	Which of the following solution has the highest
D. two / three	boiling point?

A. 5.85% NaCl Solution	A. Iron
B. 18.0 % glucose solution	B. Cobalt
C. 6.0 % urea solution	C. Chromium
D. All have same boiling point	D. Manganese
Which of the following can be used in laptops?	Which one of the following looks odd ?
A. Silver oxide battery	*
B. Fuel cell	A. H2SO4
C. Nickel cadmium cell	B. KMnO4
D. Lead accumulator	C. H2S
	D. K2CrO4
Which is the unit of (K) rate constant for zero	
order reaction ?	In 1 – pentene -4- yne the carbon exhibit hybridization?
A. s-1	
B. mol dm-3 s-1	A. $sp3 - sp2$
C. mol-1 dm3 s-1	B. $sp2 - sp$
D. mol-2 dm6 s-1	C. sp2 - sp
*****	D. sp3 - sp2 - sp
Which is carnalite?	
	When benzene is heated in air with V2O5 at
A. KCI	450°C yields?
B. NaCI	
C. KCI MgCl2 6H2O	A. Phenol
D. Na2CO3. 10H2O	B. Maleic anhydride
	C. Glyoxal
Which one does not give borax bead test?	D. Benzoic acid
•	Which one of the following will be sulphonated
A. Copper sulphate	readily?
B. Barium sulphate	rouning .
C. Cobalt sulphate	A. Chlorobenzene
D. Nickel sulphate	B. Toluene
D. Nickel sulphate	C. Nitrobenzene
The most reactive allotropic form of	D. Benzene
•	D. Belizelle
phosphorus is?	When CO2 is made to react with ethy1
A. White	
	magnesium iodide in dry ether followed by acid
B. Redox potential C. Black	hydrolysis yields?
D. Violet	A. Combowylio acid
D. Violet	A. Carboxylic acid
XXI * 1 1. 1	B. Ethanoic acid
Which molecule has the highest bond energy	C. Propanoic acid
among the halogens?	D. Butanoic acid
A. Fluorine	Ethyl phloride on reduction in the presence of
	Ethy1 chloride on reduction in the presence of
B. Chlorine	Zn/HCI produces?
C. Iodine	A n butana
D. Bromine	A. n. butane
The second reservoir and the second	B. Ethanol
The most paramagnetic element	C. Ethane
is?	D. Diethy1 ether

For industrial preparation of CH3CHO catalytic promoter is?	A limiting reactant is one which?	
A. PdCl2	A. is taken in lesser quantity in grams as	
B. Cu2Cl2	compared to other reactants	
C. CuCl2	B. is taken in lesser quantity in volume as	
D. PbCl2	compared to other reactants	
	C. gives the maximum amount of the product	
Which of the following is not a fatty acid?	which is required	
•	D. gives the minimum amount of the product	
A. Propanoic acid	under consideration	
B. Acetic acid		
C. Phthalic acid	A safe and more reliable method for drying the	
D. Butanoic acid	crystal is?	
Which one of the following fertilizers provides	A. Hot air currents	
the nitrogen and phosphorus to the plant?	B. folds of filter paper	
the introgen and phosphorus to the plant.	C. oven	
A. Urea	D. Vacuum desiccator	
B. Calcium superphosphate	D. Vacadin deglectator	
C. Diammonium phosphate	A real gas obeying vander waals equation will	
D. Potassium nitrate	resemble the ideal gas	
D. I ottassium mutuc	if?	
Chlorination of water may be harmful if the	·	
water contains?	A. Both a and b are small	
	B. Both a and b are large	
A. Ammonia	C a is small and h is large	
B. Dissolved oxygen	D. a is large and b is small	
C. Carbon dioxide		
D. All	Plasma is used in?	
The mass of one mole of electron	A. Fluorescent bulb	
is ?	B. Neon signs	
15;	C. Lasers	
A. 1.008	D. All of these	
B. 0.55	D. All of these	
C. 0.184	Which of the following is pseudo	
D. 1.637	solid?	
2.1100		
The number of atoms in a molecule	A. CaF2	
determines?	B. NaCl	
	C. Glass	
A. macromolecule	D. Diamond	
B. macromolecule		
C. molecularity	Bohrs model is contradicted	
D. atomicity	by?	
Which alament has some isotopes like	A Dianaka thaary	
Which element has same isotopes like	A. Plancks theory  B. Dual nature of matter	
palladium?	B. Dual nature of matter  C. Hoisenbergs uncertainty principle	
A. Nickel	C. Heisenbergs uncertainty principle D. All of these	
B. Calcium	D. All Of these	
C. Cadmium	Atomic radius can be determined	
D. Tin		
D. 1111	by?	

MCQs	in	Chen	nistry

A. X – ray diffraction	Which one is not the use of
B. Spectrophotometer	silicones?
C. Optical microscope	
D. Electron microscope	A. Lubricant
	B. Water repellent film
For which system does the equilibrium	C. Rubber sheet
constant Kc has unit of (concentration)-	D. Medicine
1?	
	Chemical composition of cinnabar
A. N2+3H2 2NH3	is?
B. H2+I2 2HI	
C. 2NO2 N2H4	A. FeS2
D. PCI5 PCI3+CI2	B. HgS
	C. PbS
18g glucose is dissolved in 90g water the	D. ZnS
relative lowering in vapour pressure is equal to	
?	When chlorine is passed through hot solution
	of caustic soda the reaction is said
A. 8	as?
B. 5.1	
C. 6	A. Displacement
D. one/fifty one	B. Reduction
	C. Disproportionation reaction
Stronger is the oxidizing agent greater is	D. Double displacement reaction
the?	•
	In the complex [Cr(OH)3(H2O)3] the
A. Oxidation potential	coordination number is
B. Redox potential C. e.m.f of cell	Cost
C. e.m.f of cell	A. 2
D. standard reduction potential	B. 3
	C. 4
Which is true about Zn-Cu galvanic cell?	D. 6
Transition in State and an ear guitaine con t	2.0
A. Reduction occurs at anode	A great variety of the organic compounds is
B. K+ ion transfer from salt bridge to left beaker	due to its property of
of ZnSO4	carbon?
C. Oxidation occurs at cathode	•
D. Anode is negatively charged	A. Show tetravalency
D. Anoue is negatively charged	B. Exhibit catenation
Nitrates of which pair gives different products	C. Show isomerism
on thermal	
	D. Can form multiple bonds
decomposition?	Vinyl agetylane combines with hydrochlaric
A NT. 17	Vinyl acetylene combines with hydrochloric
A. Na K	acid produces?
B. Mg Ca	A D' ' 1 1
C. Li Na	A. Diviny1 acetylene
D. Li Ca	B. Ethylidine dichloride
	C. Chloroprene
Keeping in view the size of atom which is in	D. $1-3-3$ – trichloro butane
correct order?	
	When toluene reacts with chlorine in sunlight
A. $Mg > Sr$	the first major product is
$\mathbf{B.\ Ba} > \mathbf{Mg}$	
C. Lu > Ce	A. Benzy1 chloride
D. CI > 1	B. Benzal dichloride

C. O-chlorotoluene	A. Aliphatic
D. O-chlorotoluene and P-chlorotoluene	B. Alicyclic
	C. Aromatic
Which one of the following is not a good	D. Aldehyde
leaving group ?	•
	Octane number 2 2 4-trimethyl pentane
A. HSO4-	is?
B. Cl-	· · · · · · · · · · · · · · · · · · ·
C. OH-	A. 100
D. Br-	B. 90
2.2.	C. 80
The process of fermentation involves all the	D. 70
enzymes except?	2.70
enzymes except	Geometric isomerism is usually found
A. Diastase	in?
B. Invertase	•
C. Zymase	A. Alkanes
D. Sucrase	B. Alkenes
D. Sucrase	
Which are does not subihit oldel	C. Alkynes
Which one does not exhibit aldol	D. Esters
condensation?	O
A Data 1	Organic compounds that are essentially
A. Ethanal	nonpolar and exhibit weak intermolecular
B. Acetone	forces have?
C. Benzaldehyde	A <b>T</b>
D. Butanone	A. Low melting points
m	B. Low vapour pressure
The common name of propane -1 3-dioic acid	C. High boiling points
is?	D. High electrical conductivity
A Ovalia asid	According to vital force
A. Oxalic acid	According to vital force
B. Succinic acid	theory?
C. Malonic acid	A O
D. Fumaric acid	A. Oorganic compounds can be synthesized from
	inorganic compounds
Industrial materials thermal power stations are	B. organic compounds cannot be synthesized
coated with?	from inorganic compounds
	C. organic compounds can be synthesized by
A. Polyester resins	animals
B. Epoxy paints	D. organic compounds can be synthesized by
C. polyamide resins	plants
D. Polyvinyl chloride	
	A double bond consists of
Main source of organic compounds	?
is?	
	A. Two sigma bonds
A. Animal	B. Two Pi bonds
B. Fossil	C. One sigma and one Pi bonds
C. Coal	D. One sigma and two Pi bonds
D. Plants	
	Chemical properties of first member of
Hydro carbons which burn with smoky flame	homologous series with respect to other
are called?	members are?

A. same	C. (C2H5)2 Pb
B. different	D. all of the above
C. depends upon number of C atoms	
D. depends upon number of H atoms	Isomerism which is present only in alkene
	is?
Compounds having same molecular formula	A
but differ in structural formula are called ?	A. structural isomerism
?	B. metamerism C. cis-trans isomerism
A nolymor	D. both b and c
A. polymer B. monomer	D. both b and c
C. isomer	Compound containing honzone sing in their
	Compound containing benzene ring in their
D. allotropes	structure are?
Organic compounds are soluble in	A. aliphatic
?	B. aromatic
·	C. carboxylic acid
A. polar solvent	D. carbohydrates
B. non-polar solvent	_ · · · · · · · · · · · · · · · · · · ·
C. alkalies	Which of the following is an
D. water	amide?
21 Water	·
Methane is used in power generation in	A. R-NH2
chemical industries being	B. RCONH2
a?	C. R - NH - R
·	D. C6H5NH2
A. natural gas	
B. good caloric value	Only sigma bonds are present
C. cheaper	Only sigma bonds are present in?
D. All	·
	A. propene
The precess in which larger molecule with	B. butanoic acid
higher molecular weight breaks down into	C. butanal
smaller moleucles with lower molecular	D. ethoxy ethane
weight?	
<u> </u>	The structure of ethyne is?
A. polymerization	·
B. pyrolysis	A. angular
C. isomerism	B. trigonal
D. no such process occurs	C. linear
	D. trigonal planar
The metallic sound produced by engine due to	
the pre-ignition of fuel is called	The general formula of cycloalkene is
?	?
A. knocking	A. CnH2n
B. reforming	B. CnH2n+2
C. cracking	C. CnH2n-1
D. a and c	D. CnH2n-2
Which of the following are because the second	CSIIIA kanadaan ah an CS
Which of the following can be used as anti-	C5H12 has the number of isomers
knocking agent ?	?
A. PbCl2	A. one
B. (C2H5)4 Pb	B. two
Di (CHIL)TI U	D. IWU

C. three	C. polymerization
D. four	D. solvation
Octane number can be improved	The organic compounds having very high
by?	molecular weight are called
J	?
A. Isomerization	·
B. Adding (C2H5)4 Pb	A. carboxylic acids
C. Adding (CH3)4 Pb	B. ketones
D. All	C. aldehydes
<b>2.111</b>	D. polymers
Octane number 2 2 4-trimethyl pentane	D. polymers
is?	Rate of reactions of most organic compounds
15•	are?
A. 100	are
B. 90	A vory close
C. 80	A. very slow
	B. very fast C. slow
D. 70	
D 1914	D. no regular character present
Propene can exhibit?	
	Coal is produced after a long time decay
A. cis-trans isomerism	of?
B. geometric isomerism	
C. both a & b	A. animals
D. none of the above	B. fossils
	C. wood
Pentane and 2-methyl butance have the	D. all of the above
same? Free of	Cost
	Crude oil is blackish coloured liquid produced
A. Boiling point	after the decay of organic matter present
B. Melting point	between?
C. Percentage composition	
D. Structural formula	A. earth layer
	B. mountains
The first organic compound was synthesized in	C. sedimentary rocks
laboratory by?	D. rocks
iaboratory by	D. TOCKS
A. Wohler	At low temperature and pressure cracking can
B. Kolbe	be done in presence of
C. Berzilius	
D. Berthelot	catalyst?
D. Berthelot	A A12O2
	A. Al2O3
First organic compound synthesized in	B. Fe2O3
laboratory was?	C. Al2O3 and SiO2
	D. Fe2O3 and SiO2
A. tartaric acid	
B. ethyl alcohol	Which one of the following compounds shows
C. methanol	intense knocking?
D. urea	
	A. n-pentane
The property of carbon chain formation is	B. iso-heptane
called?	C. iso-octane
<del></del> ,	D. n-heptane
A. catenation	<b>F</b>
B. hybridization	
·	

Ether functional group can be represented as?	C. Aniline D. Pyridine
·	D. 1 yridile
A. OH	Which one is not state function
B. R-CO-R	?
C. R-O-R	·
D. R-COOH	A. Internal energy
2111 00 011	B. Enthalpy
A single atom or group of atoms which gives	C. Gibbs free energy
characteristic properties to a compound is	D. Work
called?	_ , , , , , , , , , , , , , , , , , , ,
·	If internal energy of the system is increased
A. radical	?
B. hydrocarbon	
C. functional group	A. Change in state of the system is increased
D. ion	B. Temperature of the ystem may rise
D. Ion	C. Chemical reaction may take place
2-propanol and 1-propanol show the	D. All
isomerism?	D. All
isomerism;	A manation has reduce of OII and OC which are
A	A reaction has values of ?H and ?S which are
A. metamerism	both positive. The reaction
B. functional group isomerism	?
C. geometric isomerism	A 7
D. position isomerism	A. Is spontaneous
	B. Spontaneity is temperature dependent
In sp3 hybridization the expected geometry of	C. Has an increasing free energy
molecules will be?	D. Is non-spontaneous
Free of	Lost
A. square planar	The environment in which a system is studied
B. trigonal pyramidal	is?
C. tetrahedral	
D. linear	A. State function
	B. phase
In cyano group the carbon atom shows which	C. surrounding
kind of hybridization?	D. state
A. sp2	Anything which depends upon initial and final
B. sp	state of a system is?
C. sp3	
D. none of the above	A. environment
	B. surrounding
the fractional distillation of petroleum	C. state function
produces gasoline up to?	D. enthalpy
A 100/	D (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
A. 10%	Reaction in which heat evolves is called
B. 15%	?
C. 20%	
D. 30%	A. endothermic
	B. spontaneous
Which is not heterocyclic compound	C. non-spontaneous
?	D. exothermic
A. Furan	Pumping of water uphill is?
B. Thiophene	

C. irreversible process D. reversible process D. reversible process D. reversible process  Which one of the following is a state function 2 A. pressure B. temperature C. enthalpy D. all of the above  Enthalpy of a reaction can be measured by ? A. path of reaction B. initial state D. initial sta	A. spontaneous process B. non-spontaneous process	When enthalpy of reactants is higher than product then reaction will
D. reversible process  Which one of the following is a state function  ? A. endothermic B. spontaneous C. non-spontaneous D. exothermic C. enthalpy D. all of the above  Enthalpy of a reaction can be measured by Enthalpy of a reaction can be measured by P. initial state C. final state D. initial and final state A. spath of reaction B. Non-spontaneous reaction B. Non-spontaneous reaction C. Barometer D. thermometer A. Spontaneous reaction B. Non-spontaneous reaction C. Endothermic D. Exothermic D. Exothermic D. Exothermic D. Exothermic D. Exothermic  A. P.E. + K.E. B. P.E. + heat energy are ? A. P.E. + K.E. B. P.E. + heat energy D. P.E. + mechanical energy D. G. A. J. D. heat and volume C. heat and work D. heat and volume B. KCaL C. Cal D. GJ  A. calculated by Hess law B. can be measured by calorimeter C. both A and B D. none Enthalpy of combustion for food fuel and other compounds can be measured accurately by ?  A. glass calorimeter B. homb calorimeter C. thermometer		_
Mhich one of the following is a state function  ? A. pressure B. temperature C. enthalpy D. all of the above  Enthalpy of a reaction can be measured by? A. path of reaction B. initial state C. final state C. f		·
Which one of the following is a state function  ? A. pressure B. temperature C. enthalpy D. all of the above  Enthalpy of a reaction can be measured by P. all of the above  A. path of reaction B. initial state C. final state D. initial and final state C. final state C. final state D. initial and final state C. final state D. initial state C. final	D. reversible process	A endothermic
R. temperature B. temperature C. enthalpy D. all of the above  Enthalpy of a reaction can be measured by  Enthalpy of a reaction can be measured by  P. all of the above  Enthalpy of a reaction can be measured by  Enthalpy of a reaction can be measured by  P. all of the above  A. path of reaction B. initial state C. final state D. initial and final state D. initial and final state C. final state D. initial and final state A. Spontaneous reaction B. Non-spontaneous reaction C. Endothermic D. Exothermic	Which one of the following is a state function	
B. temperature C. enthalpy D. all of the above  Enthalpy of a reaction can be measured by Enthalpy of a reaction can be measured by  Enthalpy of a reaction can be measured by  Enthalpy of a reaction can be measured by  A. glass calorimeter B. manometer C. Barometer D. thermometer  Most of thermodynamic parameters are B. surrounding C. phase D. state functions  Free of A. P.E. + K.E B. P.E. + heat energy Two fundamental ways to transfer energy are P. D. p. E. + mechanical energy D. P.E. + mechanical energy D. P.E. + mechanical energy C. K.E. + heat nergy D. G. C. C. Cal D. GJ  A. calculated by Hess law B. can be measured by calorimeter C. both A and B D. none Enthalpy of combustion for food fuel and other compounds can be measured accurately by  ——————————————————————————————————	9	-
A. pressure B. temperature C. enthalpy D. all of the above  Enthalpy of a reaction can be measured by  Enthalpy of a reaction can be measured by  P. all of the above  Enthalpy of a reaction can be measured by  P. all of the above  A. path of reaction B. initial state C. final state D. initial and final state  C. final state D. initial and final state  C. sarometer D. thermometer  A. Spontaneous reaction B. Non-spontaneous reaction C. Endothermic D. Exothermic D. Exothermic  A. system B. surrounding C. phase D. state functions  Free of A. P.E. + K.E B. P.E. + heat energy C. K.E. + heat energy D. P.E. + mechanical energy D. P.E. + mechanica	·	
R. temperature C. enthalpy D. all of the above  Enthalpy of a reaction can be measured by  Enthalpy of a reaction can be measured by  R. path of reaction B. initial state C. final state D. initial and final state  CasO4 + Zn?ZnSO4+Cu Service R. manometer B. manometer C. Barometer B. manometer C. Barometer B. manometer C. Barometer A. Spontaneous reaction B. Non-spontaneous reaction C. Endothermic D. Exothermic C. Earothermic C. phase D. state functions  Free of A. P.E. + K.E. B. P.E. + heat energy C. K.E. + heat energy C. K.E. + heat energy D. P.E. + mechanical energy C. K.E. + heat energy D. P.E. + mechanical energy C. C. Cal D. GJ  A. calculated by Hess law B. can be measured by calorimeter C. both A and B D. none  Enthalpy change can be Enthalpy of combustion for food fuel and other compounds can be measured accurately by  ——————————————————————————————————	A. pressure	_
C. enthalpy D. all of the above  Enthalpy of a reaction can be measured by	•	State function the macroscopic property of
D. all of the above  A. path of reaction B. initial state C. final state C. final state D. initial and final state C. final state C. final state D. initial and final state C. sander C. Endothermic A. Spontaneous reaction C. Endothermic C. final state C. final state C. final state C. final state C. sander C. final state C. final state C. sander C. final state C. sander C. final state C. final s	•	
Enthalpy of a reaction can be measured by  ? C. final state D. initial and final state C. Barometer B. manometer C. Barometer D. thermometer D. thermometer B. most of thermodynamic parameters are? A. Spontaneous reaction B. Non-spontaneous reaction C. Endothermic D. Exothermic D. Exothermic  A. system B. surrounding C. phase D. state functions  Free of A. P.E. + K.E B. P.E. + heat energy Two fundamental ways to transfer energy are? D. P.E. + mechanical energy D. P.E. + mechanical energy C. K.E. + heat energy D. P.E. + mechanical energy D. P.E. + mechanical energy C. C. Cal D. heat and volume C. heat and work D. heat and volume C. heat and work D. heat and volume C. heat and work D. heat and volume C. heat and by Hess law B. can be measured by calorimeter C. both A and B D. none A. thermochemistry B. thermodynamics C. c. chemical kinetics D. stoichiometry Which of the following has strongest intermolecular forces of attraction? B. Mydrogen (H2) B. Chlorine (C12) C. lodine (C12)		
Enthalpy of a reaction can be measured by  ? C. final state D. initial and final state C. Barometer B. manometer C. Barometer D. thermometer D. thermometer B. most of thermodynamic parameters are? A. Spontaneous reaction B. Non-spontaneous reaction C. Endothermic D. Exothermic D. Exothermic  A. system B. surrounding C. phase D. state functions  Free of A. P.E. + K.E B. P.E. + heat energy Two fundamental ways to transfer energy are? D. P.E. + mechanical energy D. P.E. + mechanical energy C. K.E. + heat energy D. P.E. + mechanical energy D. P.E. + mechanical energy C. C. Cal D. heat and volume C. heat and work D. heat and volume C. heat and work D. heat and volume C. heat and work D. heat and volume C. heat and by Hess law B. can be measured by calorimeter C. both A and B D. none A. thermochemistry B. thermodynamics C. c. chemical kinetics D. stoichiometry Which of the following has strongest intermolecular forces of attraction? B. Mydrogen (H2) B. Chlorine (C12) C. lodine (C12)		A. path of reaction
	Enthalpy of a reaction can be measured by	=
A. glass calorimeter B. manometer C. Barometer D. thermometer  Most of thermodynamic parameters are?  A. Spontaneous reaction B. Non-spontaneous reaction B. Non-spontaneous reaction C. Endothermic D. Exothermic D. Exoth	?	C. final state
B. manometer C. Barometer D. thermometer  Most of thermodynamic parameters are?  A. Spontaneous reaction B. Non-spontaneous reaction C. Endothermic D. Exothermic  A. system B. surrounding C. phase D. state functions  Total energy of a system is?  Two fundamental ways to transfer energy are?  A. pressure and temperature B. pressure and temperature B. pressure and volume C. heat and work D. heat and volume C. heat and volume B. KCaL C. Cal D. GJ  A. calculated by Hess law B. can be measured by calorimeter C. both A and B D. none A. thermochemistry B. thermodynamics C. chemical system? C. chemical kinetics D. stoichiometry  Which of the following has strongest intermolecular forces of attraction?  Which of the following has strongest intermolecular forces of attraction? B. Chlorine (Cl2) C. Iodine (Cl2) C. lodine (I2)		D. initial and final state
C. Barometer D. thermometer  A. Spontaneous reaction B. Non-spontaneous reaction C. Endothermic D. Exothermic D. Exothermic D. Exothermic A. system B. surrounding C. phase D. state functions Total energy of a system is C. phase D. state functions Total energy of a system is C. phase D. state functions Total energy of a system is C. phase D. p. E + K.E B. P.E + heat energy C. K.E + heat energy D. P.E + mechanical energy C. K.E + heat energy D. P.E + mechanical energy C. K.E - heat energy D. P.E + mechanical energy C. K.E - heat energy D. P.E + mechanical energy C. K.E - heat energy D. P.E + mechanical energy C. K.E - heat energy D. P.E + mechanical energy C. K.E - heat energy D. P.E - mechanical energy C. K.E - heat energy D. P.E - mechanical energy C. C. C. K.E - heat energy D. P.E - mechanical energy C. C. C. R.E - heat energy D. P.E - mechanical energy C. K.E - heat energy D. P.E - mechanical energy C. C. C. R.E - heat energy D. P.E - mechanical energy C. K.E - heat energy D. P.E - mechanical energy C. K.E - heat energy D. P.E - mechanical energy C. K.E - heat energy D. P.E - mechanical energy C. K.E - heat energy D. P.E - mechanical energy C. K.E - heat energy D. P.E - mechanical energy C. K.E - heat energy C. K.E - heat energy D. P.E - mechanical energy C. K.E - heat energy D. P.E - mechanical energy C. K.E - heat energy D. P.E - mechanical energy C. K.E - heat energy D. P.E - mechanical energy C. K.E - heat energy D. P.E - mechanical energy C. K.E - heat energy D. P.E - mechanical energy C. K.E - heat energy D. P.E - mechanical energy C. K.E - heat energy D. P.E - mechanical energy C. K.E - heat energy D. P.E - mechanical energy C. K.E - heat energy D. P.E - mechanical energy C. K.E - heat energy D. P.E - mechanical energy C. K.E - heat energy D. P.E - mechanical energy C. K.E - heat energy D. P.E - mechanical energy D. P.E - mechanical energy D. P.E - mechanical energy D. P.E - heat energy D. P.E - mechanical energy D. P.E - mechanical energy D. P.E - mechanical energy D. P.E - heat energy D. P.E - mechan	A. glass calorimeter	
D. thermometer  Most of thermodynamic parameters are?  A. Spontaneous reaction  B. Non-spontaneous reaction  C. Endothermic  D. Exothermic  A. system  B. surrounding  C. phase  D. state functions  Total energy of a system is?  Two fundamental ways to transfer energy are?  A. pressure and temperature  B. pressure and temperature  C. heat and work  D. heat and volume  C. heat and volume  C. heat and volume  C. cal  Enthalpy change can be?  D. GJ  A. calculated by Hess law  B. can be measured by calorimeter  C. both A and B  D. none  Enthalpy of combustion for food fuel and other compounds can be measured accurately by?  A. glass calorimeter  A. Hydrogen (H2)  B. Chlorine (C12)  C. lodine (12)	B. manometer	CuSO4 + Zn?ZnSO4+Cu
Most of thermodynamic parameters are? C. Endothermic D. Exothermic D. Exothermi	C. Barometer	is?
Most of thermodynamic parameters are? C. Endothermic D. Exothermic  A. system  B. surrounding	D. thermometer	
are ? C. Endothermic D. Exothermic A. system B. surrounding C. phase D. state functions  Two fundamental ways to transfer energy are ?  A. p.E + K.E B. p.E + heat energy D. p. E + mechanical energy P. P. E + mechanical energy D. p. E + mechanical energy D. p. E + mechanical energy D. p. E + mechanical energy P. E + mechanical energy D. p. E + mechanical energy D. p. E + mechanical energy D. p. E + mechanical energy P. E + mechanical energy D. p. E + mechanical energy		A. Spontaneous reaction
A. system B. surrounding C. phase D. state functions Free of A. P.E + K.E B. P.E + heat energy are?  A. pressure and temperature B. pressure and volume C. heat and work D. heat and volume C. c. cal D. GJ  A. calculated by Hess law B. can be measured by calorimeter C. both A and B D. none A. thermochemistry B. thermodynamics C. chemical system? C. chemical system is?	Most of thermodynamic parameters	B. Non-spontaneous reaction
A. system B. surrounding C. phase D. state functions Free of A. P.E + K.E B. P.E + heat energy are?  A. pressure and temperature B. pressure and volume C. heat and work D. heat and volume C. heat and volume A. calculated by Hess law B. can be measured by calorimeter C. both A and B D. none A. thermochemistry B. thermodynamics C. chemical system? C. chemical finetics D. stoichiometry  by? Which of the following has strongest intermolecular forces of attraction? B. bomb calorimeter C. thermometer D. manometer A. Hydrogen (H2) B. Chlorine (C12) C. lodine (12)	are?	C. Endothermic
B. surrounding C. phase D. state functions Free of A. P.E + K.E B. P.E + heat energy are?  A. pressure and temperature B. pressure and volume C. heat and work D. heat and volume C. heat and volume C. C. Cal Enthalpy change can be?  A. calculated by Hess law B. can be measured by calorimeter C. both A and B D. none Enthalpy of combustion for food fuel and other compounds can be measured accurately by?  A. glass calorimeter C. thermometer C. toldine (12) C. lodine (12)		D. Exothermic
C. phase D. state functions Free Of A. P.E + K.E B. P.E + heat energy are? C. K.E + heat energy D. P.E + mechanical energy A. pressure and temperature B. pressure and volume C. heat and work D. heat and volume B. KCaL C. Cal Enthalpy change can be? D. GJ  A. calculated by Hess law B. can be measured by calorimeter C. both A and B D. none A. thermochemistry B. thermodynamics C. chemical kinetics Compounds can be measured accurately by? Which of the following has strongest intermolecular forces of attraction? B. bomb calorimeter C. thermometer C. thermometer D. manometer A. Hydrogen (H2) B. Chlorine (C12) C. lodine (I2)	A. system	
D. state functions  Two fundamental ways to transfer energy are?  A. pressure and temperature?  D. p. E + mechanical energy	B. surrounding	Total energy of a system is
Two fundamental ways to transfer energy are?  A. pressure and temperature?  D. P.E + mechanical energy?  A. pressure and temperature?  D. pressure and volume?  A. J?  D. heat and work		
Two fundamental ways to transfer energy are?  A. pressure and temperature?  D. P.E + mechanical energy?  A. pressure and temperature?  B. pressure and volume?  C. heat and work  D. heat and volume  Enthalpy change can be?  A. calculated by Hess law is study about energy of a  C. both A and B  D. none  A. thermochemistry  Enthalpy of combustion for food fuel and other compounds can be measured accurately by?  Which of the following has strongest intermolecular forces of attraction ?  A. Hydrogen (H2)  B. C. K.E. + heat energy  C. K.E. + heat energy  P. P.E + mechanical energy  ?  C. K.E. + heat energy  P. P.E + mechanical energy  ?  A. J  B. KCaL  C. Cal  C. cal  A. thermochemistry  B. thermodynamics  C. chemical kinetics  D. stoichiometry  Which of the following has strongest intermolecular forces of attraction ?  Which of the following has strongest intermolecular forces of attraction ?  B. Chlorine (Cl2)  C. lodine (I2)	D. state functions Free of	A. P.E + K.E B. P.E + heat energy
A. pressure and temperature B. pressure and volume C. heat and work D. heat and volume B. KCaL C. Cal Enthalpy change can be? D. GJ  A. calculated by Hess law B. can be measured by calorimeter C. both A and B D. none A. thermochemistry B. thermodynamics C. chemical kinetics D. stoichiometry by? Which of the following has strongest intermolecular forces of attraction? B. bomb calorimeter C. thermometer C. thermometer A. Hydrogen (H2) D. manometer C. loudine (I2)	Two fundamental ways to transfer energy	
B. pressure and volume C. heat and work D. heat and volume B. KCaL C. Cal Enthalpy change can be? D. GJ  A. calculated by Hess law B. can be measured by calorimeter C. both A and B D. none A. thermochemistry B. thermodynamics Enthalpy of combustion for food fuel and other compounds can be measured accurately by? Which of the following has strongest intermolecular forces of attraction? B. bomb calorimeter C. thermometer A. Hydrogen (H2) D. manometer B. C. heat and work A. J B. KCaL C. Cal Chemical system? Chemical system? Chemical system? Chemical system? Chemical kinetics D. stoichiometry B. thermochemistry B. thermochemistry B. thermochemistry Chemical kinetics Chemical system? Che	are?	D. P.E + mechanical energy
B. pressure and volume C. heat and work D. heat and volume B. KCaL C. Cal Enthalpy change can be? D. GJ  A. calculated by Hess law B. can be measured by calorimeter C. both A and B D. none A. thermochemistry B. thermodynamics Enthalpy of combustion for food fuel and other compounds can be measured accurately by? Which of the following has strongest intermolecular forces of attraction? B. bomb calorimeter C. thermometer A. Hydrogen (H2) D. manometer B. C. heat and work A. J B. KCaL C. Cal Chemical system? Chemical system? Chemical system? Chemical system? Chemical kinetics D. stoichiometry B. thermochemistry B. thermochemistry B. thermochemistry Chemical kinetics Chemical system? Che		
C. heat and work D. heat and volume B. KCaL C. Cal Enthalpy change can be? D. GJ  A. calculated by Hess law B. can be measured by calorimeter C. both A and B D. none A. thermochemistry B. thermodynamics Enthalpy of combustion for food fuel and other compounds can be measured accurately by? Which of the following has strongest intermolecular forces of attraction?  B. bomb calorimeter C. thermometer C. thermometer A. Hydrogen (H2) D. manometer B. C. lodine (I2)		Unit of heat in SI system is?
D. heat and volume  Enthalpy change can be?  D. GJ  A. calculated by Hess law B. can be measured by calorimeter  C. both A and B D. none  Enthalpy of combustion for food fuel and other compounds can be measured accurately by?  Which of the following has strongest intermolecular forces of attraction?  B. bomb calorimeter  C. thermometer  A. Hydrogen (H2) B. Chlorine (C12) C. lodine (I2)		
Enthalpy change can be?  D. GJ  A. calculated by Hess law B. can be measured by calorimeter C. both A and B D. none A. thermochemistry B. thermodynamics Enthalpy of combustion for food fuel and other compounds can be measured accurately by?  Which of the following has strongest intermolecular forces of attraction?  A. Hydrogen (H2) D. manometer  A. claculated by Hess law chemical system?  Chemical system?  A. thermochemistry B. thermodynamics C. chemical kinetics D. stoichiometry  Which of the following has strongest intermolecular forces of attraction?  B. Chlorine (Cl2) C. lodine (I2)		
A. calculated by Hess law B. can be measured by calorimeter C. both A and B D. none A. thermochemistry B. thermodynamics C. chemical kinetics C. chemical kinetics C. chemical kinetics D. stoichiometry D. stoichiometry B. thermodynamics C. chemical kinetics C. chemical kinetics D. stoichiometry D. stoichiometry A. glass calorimeter A. glass calorimeter C. thermometer C. thermometer A. Hydrogen (H2) D. manometer B. C. lodine (I2)	D. heat and volume	
A. calculated by Hess law B. can be measured by calorimeter C. both A and B D. none A. thermochemistry B. thermodynamics C. chemical kinetics C. chemical kinetics C. chemical kinetics D. stoichiometry  by? Which of the following has strongest intermolecular forces of attraction?  A. Hydrogen (H2) D. manometer A. Hydrogen (C12) C. lodine (12)		
B. can be measured by calorimeter  C. both A and B  D. none  A. thermochemistry B. thermodynamics  Enthalpy of combustion for food fuel and other compounds can be measured accurately by?  Which of the following has strongest intermolecular forces of attraction?  B. bomb calorimeter  C. thermometer  A. Hydrogen (H2) D. manometer  B. Chlorine (Cl2) C. lodine (I2)	Enthalpy change can be?	D. GJ
B. can be measured by calorimeter  C. both A and B  D. none  A. thermochemistry B. thermodynamics  Enthalpy of combustion for food fuel and other compounds can be measured accurately by?  Which of the following has strongest intermolecular forces of attraction?  B. bomb calorimeter  C. thermometer  A. Hydrogen (H2) D. manometer  B. Chlorine (Cl2) C. lodine (I2)	A. calculated by Hess law	is study about energy of a
C. both A and B D. none A. thermochemistry B. thermodynamics C. chemical kinetics Compounds can be measured accurately by? Which of the following has strongest intermolecular forces of attraction? B. bomb calorimeter C. thermometer A. Hydrogen (H2) D. manometer B. C. lodine (I2)		
D. none  A. thermochemistry B. thermodynamics C. chemical kinetics C. chemical kinetics D. stoichiometry  by?  Which of the following has strongest intermolecular forces of attraction?  B. bomb calorimeter C. thermometer A. Hydrogen (H2) D. manometer B. C. lodine (I2)	· · · · · · · · · · · · · · · · · · ·	chemical system.
B. thermodynamics C. chemical kinetics D. stoichiometry  Which of the following has strongest intermolecular forces of attraction?  B. bomb calorimeter C. thermometer A. Hydrogen (H2) D. manometer B. C. lodine (I2)		A. thermochemistry
Enthalpy of combustion for food fuel and other compounds can be measured accurately  by?  Which of the following has strongest intermolecular forces of attraction?  B. bomb calorimeter  C. chemical kinetics  D. stoichiometry  Which of the following has strongest intermolecular forces of attraction?  A. Hydrogen (H2)  D. manometer  B. Chlorine (Cl2)  C. lodine (I2)	2.1.01.0	•
compounds can be measured accurately by?  Which of the following has strongest intermolecular forces of attraction?  B. bomb calorimeter  C. thermometer  A. Hydrogen (H2) D. manometer  B. Chlorine (C12) C. lodine (I2)	Enthalpy of combustion for food fuel and other	
by?  Which of the following has strongest intermolecular forces of attraction?  B. bomb calorimeter  C. thermometer  A. Hydrogen (H2)  D. manometer  B. Chlorine (Cl2)  C. lodine (I2)		
Which of the following has strongest A. glass calorimeter  B. bomb calorimeter  C. thermometer  A. Hydrogen (H2)  D. manometer  B. Chlorine (Cl2)  C. lodine (I2)		2. storemometry
A. glass calorimeter  B. bomb calorimeter  C. thermometer  D. manometer  B. Chlorine (C12)  C. lodine (I2)	~J	Which of the following has strongest
B. bomb calorimeter C. thermometer A. Hydrogen (H2) D. manometer B. Chlorine (Cl2) C. lodine (I2)	A. glass calorimeter	
C. thermometer  A. Hydrogen (H2)  B. Chlorine (Cl2)  C. lodine (I2)		
D. manometer  B. Chlorine (Cl2)  C. lodine (I2)		A. Hydrogen (H2)
C. lodine (I2)		
D. Methane (CH4)		D. Methane (CH4)

When substance moves from a solid to a liquid	A. vaporization
state all of the following changes occur	B. evaporation
except?	C. crystallization
-	D. sublimation
A. Molecules become more disordered	
B. K.E of the molecules decreases	Water has maximum density at
C. Intermolecular forces become weaker	?
D. Molecule become further separated	
-	A. 0°C
In order to mention the boiling point of water	B. 2°C
at 110°C the external pressure should be ?	C. 4°C
r in r	D. 100°C
A. Between 760 torr and 1200 torr	
B. Between 200 torr and 760 torr	Formation of vapours from the surface of a
C. 765 torr	liquid is called?
D. any value of pressure	nquiu is cancu
D. any value of pressure	A vanourization
Vanous programs of water at 100°C	A. vapourization
Vapour pressure of water at 100°C	B. evaporation
is?	C. condensation
	D. cracking
A. 55 mm Hg	
B. 760 mm Hg	The ttractive forces between the partial positive
C. 355 mm Hg	end of one molecule and partial negative end of
D. 1489 mm Hg	other molecule are called?
Liquid crystal is discovered by	A. Dipole-dipole forces
?	B. Ion dipole-dipole forces
Free of	C. London dispersion forces
A. William Crooks	D. Debye forces
B. Fredrack Reinitzer	2.20030 101000
C. J.J Thomson	Vapour pressure is not affected
D. Bravis	by?
	· ·
Hydrogen bonding is involved	A. Surface area
in?	B. temperature
	C. intermolecular forces
A. Solubility	D. atmospheric pressure
B. Cleansing action of detergents	1
C. Biological molecules	Table salt crystallizes with
D. All	a?
Forces of attraction which may be present	A. Face centered cubic lattice
between all kinds of atoms and molecules are	B. body centered cubic lattice
?	C. simple cubic lattice
	D. othorhombic lattice
A. intramolecular	
B. intermolecular	<b>During which process empty spaces between</b>
C. van der Waal	particles become minimum?
D. Dipole-induced dipole	particles occome minimum .
2. 2.pote maacca arpote	A. ionization
The quantity of heat required to convert one	B. condensation
mole of liquid into its vapours at its boiling	C. fusion
point is called molar heat	D. evaporation
of ?	D. Cyaporation
V1 •	

Which one of the following has highest	A. Sulphur
volatility?	B. Carbon
	C. Silica
A. Diethyl ether	D. Tin
B. Ethyl alcohol	
C. Water	Isomorphic substances have
D. Ethylene glycol	· · ·
	A. Same physical and chemical properties
If we provide very high amount of heat to a	B. Same physical and different chemical
liquid its boiling point	properties
will?	C. Different physical and same chemical
· · · · · · · · · · · · · · · · · · ·	÷ *
A :	properties  D. Different physical and shamical properties
A. increase	D. Different physical and chemical properties
B. remains constant	
C. decrease	The pressure during the molar heat of fusion is
D. there will be no boiling	kept?
A solid may be made up	A. 0 atmosphere
of?	B. one atmosphere
	C. 2 atmosphere
A. Atoms	D. 10 atmosphere
B. Ions	•
C. Molecules	All the enthalpy changes
D. A, B, and C	are?
Amorphous substances	A. Negative
posses?	B. Positive
Free of	C. May or may not be A or B
A. No definite geometry	D. none
B. No definite heat of fusion	D. Hone
	Which has strongest handing in the solid state
C. No sharp melting points	Which has strongest bonding in the solid state
D. All of the above	?
<b>Boiling points of hydrocarbons increase with</b>	A. Hydrogen Chloride (HCI)
the increase in number of carbon atoms. It is	B. Chlorine (Cl2)
mainly due to?	C. Xenon(Xe)
	D. Sodium Chloride (NaCI)
A. More strength of H-bonding	D. Soutum emoriae (Naci)
B. More strength of London forces	When the atoms of third layer are arranged in
C. Less polarizability	•
D. All of the above	such a way that they directly lie above the
D. All of the above	atoms of first layer then this arrangement is called?
The phenomenon in which a compound exists	
in two or more crystalline forms is called	A. ABAB (hexagonal)
?	B. ABCABC (Cubic)
<u> </u>	C. Orthor hombic
A. Isomorphism	D. Rhombohedral
B. Polymorphism	D. Mioniconcutat
	Which one is folgo for even and in 2
C. Anisotropy	Which one is false for evaporation?
D. Allotropy	A G C 1
	A. Surface phenomenon
Bucky balls is an allotropic from	B. Continuous
of?	C. Exothermic
	D. Cause cooling

Which one of the following does not show	Rising of a wetting liquid in a capillary tube is
hydrogen bonding?	due to?
A. Water	A. Surface tension
B. Ethyl alcohol	B. Cohesive forces
C. Phenol	C. Adhesive forces
D. Diethyl ether	D. viscosity
Which one is a conductor but is not malleable?	The number of formula units in 29.25g of
	common salt?
A. Iron	
B. Graphite	A. 6.022 x 1023
C. Silver	B. 3.01 x 1023
D. Platinum	C. 2 x NA
	D. 4 x 6.022 x 1023
The density of water may	
be?	Liquid gets the shape of the container when it is poured into it. Which one of the following
A. Equal to that of ice	reasons justifies it ?
B. Greater than that of ice	
C. Less than that of ice	A. Liquid do not have definite shape
D. All are possible	B. Liquid do not have definite volume
	C. Lieuid is highly compressible
Steam causes more sever burn than the boiling	D. Liquid molecules can slide over each other
water because it possesses?	
	Molar heat of vaporization of water
A. Latent heat of fusion	is?
B. Latent heat of vaporization Free of	Cost
C. Latent heat of sublimation	A. 40.7 KJ/mole
D. All of the above	B. 40.7 J/mole
	C. 40.7 cal/mole
The conversion of vapours back into their	D. 40.7 Kcal/mole
liquid state is called?	
	Crystallites are present in?
A. crystallization	
B. evaporization	A. crystalline solids
C. vaporization	B. amorphous solids
D. condensation	C. liquid crystals
	D. all of the above
When water freezes at 0°C its density decreases	
due to?	A malleable solid is one which can
	be?
A. Change of bond angles	
B. Cubic structure of ice	A. Converted into wires
C. Empty space present in the structure of ice	B. Converted into thin sheets
D. Change of bond length	C. Melted easily
	D. All of the above
The boiling point increases down the zero	
group element due to?	Crystalline solids can be identified easily from
	their?
A. Ion dipole forces	
B. London forces	A. Sharp melting point
C. Hydrogen bonding	B. Definite geometry
D. Dipole dipole forces	C. Transition temperature
	D. Colour

The viscosity of solids is	?	The magnetic quantum number (QN) has its values determined directly by the value
A. Infinite		of?
B. Negligible		
C. Medium		A. Principal (QN)
D. No concept of viscosity in solid		B. Azimuthal (QN)
2.110 concept of viscosity in soila		C. Spin (QN)
Which solids are called true solids		D. Both A & B
?		
4.36.49		The maximum number of electron in a sub
A. Metallic		shell with ? = 3fs?
B. Amorphous		
C. Crystalline		A. 6
D. Vitreous		B. 10
		C. 14
The number amino acid units for eachelix on average are		D. 18
6		When an atom absorbs energy the lines in the
A. 21		spectrum will appear which
B. 23		are?
C. 25		<u></u> ,
D. 27		A. Brighter
D, 21		B. Darker
If a physical and chemical change tak	zes nlace	C. Colourless
at a constant pressure then the heat c	_	D. Hard to locate
-	mange	D. Hard to locate
during the process is called?		Which are is not true about eathede rays?
caneu	Lkoo of	Which one is not true about cathode rays? A. 9.11×10-31 Kg
A Heat of trongition	rree or	A 0.11v10.21 Wa
A. Heat of transition		A. 9.11×10-31 Kg
B. Heat of fusion		B. Cast shadow
C. Enthalpy change		C. Heat up the platinum foil
D. All of above		D. Cannot ionize
The amount of heat absorbed when o	ne mole of	Rutherfords planet like structure was defective
a liquid is changed into gas at its boili	ing point	and unsatisfactory
is?	0.2	because?
A. Molar heat of sublimation		A. Moving e- accelerate towards the nucleus
B. Molar heat of fusion		B. Continuous spectrum
C. Molar heat of vapourization		C. behavior of electron remain unexplained
D. Latent heat of that liquid		D. all
All of the following were theorized by	Bohr in	Splitting of spectral lines when atom is
his description of the atom		subjected to magnetic field is called
except?		?
A. Angular momentum of electrons in r	nultiples	A. Zeemans effect
of h/2?	-	B. Starks effect
B. Electrons revolve in discrete circular	orbits	C. Photo electric effect
C. Energy of each electron is directly pr		D. Compton effect
to n2	-	-
D. Electrons radiate energy continuous given orbit.	usly in a	Which one of the following explain the shape of orbitals?

<ul> <li>A. Principal of quantum number</li> <li>B. Azimuthal quantum number</li> <li>C. Magnetic quantum number</li> <li>D. Spin quantum number</li> </ul>	A. [Ar]4s1 B. [Ar]4s2 C. [Ar]3d104s1 D. [Ar]3d94s2
Pressure in gas discharge tube was kept?	Atomic orbits having same energy are called?
A. 10 torr	A. Degenerate orbitals
B. 1 torr	B. Bonding molecular orbitals
C. 0.1 torr	C. Anti bonding molecular orbitals
D. 0.01 torr	D. Half filled orbitals
Angle of deflection was studied by?	When electrons collide with heavy metals than are produced?
A. Hitorff	A. Beta-rays
B. Stoney	B. Alpha-rays
C. William Crookes	C. X-rays
D. J.Perrin	D. Gamma-rays
Positive rays give flash on?	Atom with higher atomic number produces X-
	rays of?
A. AgNO3 plate	
B. AgCl plate	A. Shorter wavelength
C. ZnO	B. Larger wavelength
D. ZnS	C. X-ray not produced
Free of	D. All are possible
The value of e/m ratio of electron	
is?	Space around nucleus where finding
A 600 1000 G	probability of electrons is maximum is called
A. 6.02 x 1023 C/kg	?
B. 1.7588 x 1020 C/kg	
C. 9.1095 x 10-31 C/kg	A. Orbital
D. 1.7588 x 1011 C/kg	B. Orbit is elliptical
DI 1 41	C. subshell
Planks theory says energy is	D. Electron cloud
emitted?	Tilled a confirmation of TZ
A.T. di	Electronic configuration of K
A. In continuous manner	is?
B. Discontinuous manner	Coll+A1 A
C. Simultaneously D. In the form of heat	A. [Ar]4s2
D. III the form of heat	<b>B. [Ar]4s1</b> C. [Kr]5s1
2nd orbit is away from nucleus of	D. [He]2s1
H-atom as compared to 1st orbit is ?	D. [He]281
•	Milikan used in his atomizer?
A. 2-times	
B. 3-times	A. Milk
C. 4-times	B. Honey
D. 6 times	C. Oil
	D. Water
The correct electronic configuration of Cu is	
?	Spectrum is produced due
	to?

A. Different wavelength	Positive rays are
B. Different colours	produced?
C. Different intensities	
D. all have little contribution	A. By burning of gas
	B. By cooling of the gas
When electron jump into orbit 1 then series	C. By the bombardment of cathode rays on gas
obtained is?	molecules
•	D. From anode like cathode rays produced from
A. Lyman	cathode
B. Paschen	
C. Pfund	The relationship between energy of a photon of
D. Brackett	light and its frequency is given
D. Brackett	by?
Califfing of greatful lines when stome are	
Splitting of spectral lines when atoms are	A do Duoglio duol noturo of motton
subjected to strong electric filed is	A. de-Broglie duel nature of matter
called?	B. Bohrs model
A 77 CC .	C. Plancks Quantum theory
A. Zeeman effect	D. Rutherfords atomic model
B. Stark effect	
C. Photoelectric effect	The velocity of the
D. Compton effect	photon?
Three quantum number have been derived	A. Is independent of wavelength
from equation of?	B. Depends upon source
	C. Depends upon its frequency
A. de-Broglie	D. Equals to the square of amplitude
B. Plancks	
C. Schrodinger Free of	Atom cannot be divided into simple
D. Heisenberg	unitstheorized by?
C	•
The letters s p d and f are used to represent	A. Rutherford
which quantum numbers?	B. Dalton
	C. Bohr
A. Principal	D. Schrodinger
B. Azimuthal	2. Sem ounger
C. Magnetic	The number of fundamental particles in an
D. Spin	atom of the lightest isotope carbon
D. Spili	
The examination of an element having	are?
The atomic number of an element having	A 6
maximum number of unpaired electrons in p-	A. 6
subshell is?	B. 12
	C. 18
A. 7	D. 20
B. 10	
C. 12	Increase in atomic number is observed
D. 16	during?
Colour of fluorescene produced by cathode	A. Alpha emission
rays depends upon?	B. Beta emission
	C. Both A & B
A. Temperature	D. Radioactivity
B. Pressure	•
C. Volume	Free neutron changes into proton with the
D. Composition of glass	emission of

	MCQs in Chemistry
A. Neutrino	Quantum number which tells the energy of
B. Electron	electron is?
C. Both A & B	<del></del>
D. Meson	A. n
D. IVICSON	B. 1
Change of electron was massured	C. m
Charge of electron was measured	
by?	D. s
A. I.I.Thomason	an armal musta and fuam
A. J.J Thomson	can expel proteons from
B. Millikan	paraffins ?
C. Rutherford	
D. Perrin	A. Electron
	B. Positron
Rutherford bombarded	C. Neutron
particles in discovery of nucleus?	D. None of above has such capability
•	. ,
A. Gamma-rays	Centrifugal forces are balanced in atom
B. Alpha-rays	by?
C. Beta-rays	<i>v</i> ————————
D. X-rays	A. Attractive forces
D. It luys	B. Repulsive force
The maximum number of arbitals present in a	C. Electrons
The maximum number of orbitals present in a	
subshell that is represented by Azimuthal	D. Neutrons
quantum number = 3 will	
be?	When 6d orbital is complete the entering
	electron goes into?
A. 1	
B. 3 C. 5	A. 7f C
C. 5	B. 7s
D. 7	C. 7p
	D. 7d
Pfund series are produced in the spectrum of	D. 7d
	N4
hydrogen atom?	Neutrons moving with an energy of 1.2 MeV
A subser also trans issues do sum to 2md subit	are called?
A. when electrons jump down to 2nd- orbit	A 77
B. when electrons jump down to 3rd- orbit	A. Fast neutrons
C. when electrons jump down to 4th- orbit	B. Slow neutrons
D. when electrons jump down to 5th- orbit	C. Moderate neutrons
	D. All are possible
Sommerfelds modification in Bohrs model	•
is?	Which of the following way in used for
~~ <u></u> v	classification of chromatography?
A. Orbit is cylindrical	classification of emoliatography.
B. Orbit is elliptical	A Chana
<u>-</u>	A. Shape
C. Orbit is longitudinal	B. Phase
D. Orbit is asymmetrical	C. Mechanism
	D. All
Wavelength of electron was verified	
by?	Which of the following technique is used for
	the separation of insoluble particles from
A. Moseley	liquids?
B. Davisson and Germer	
C. Einstein	A. Filtration
D. Roentgen	B. Crystallization

Free o

Gooch Crucible	MCQs in Chemistry s are made up
of	?
A. plastic	
B. fibre	
C. porcelain	
D. steel	
Sintered crucibl	_
	·
A. Plastic	
B. glass	
C. porcetain	
D. fiber	
Separation of a	solid from its hot saturated
solution by cool	
called	?
A. vapourization	
B. solvent extrac	tion
C. filtration	
D. crystallizatio	n
Which of the fol	llowing technique is simple an
efficient to purif	fy a
substance	?
A. Filtration	
B. Sublimation	
C. Crystallization	n
D. Solvent extra	ction
95% ethanol is	called?
A. methylated sp	irit
B. wood spirit	
C. rectified spiri	it
D. absolute alcoh	nol
Ratio of the amo	ount of solute in organic and
aqueous solvent	is?
A. Retardation fa <b>B. Distribution</b>	

C. Distribution in aqueous solution

D. All statements are wrong

**A. impurities** B. crystals

Animal charcoal adsorbs the coloured\_\_\_\_\_?

complete qualitative and quantitative analysis	
of a substance is	?
A. Stoichio chemistry	
B. Physical chemistry	
C. Analytical chemistry	
D. Quantum chemistry	
Estimation of amounts of diff	Gerent components
in a sample is	?
A. Quantitative analysis	
B. Qualitative analysis	
C. Stochiometery	
D. Physical chemistry	
The solid which is left over the result of filtration	
A. Insoluble particles	
B. residue	
C. crystals	
D. mud	

C. Solvent extractionD. Chromatography

A. Filter hot solution

D. Decrease the area

A. MeltingB. SublimationC. DecompositionD. Condensation

show\_\_\_\_\_?

container\_\_\_\_\_?

A. Adsorption chromatography **B. Ascending chromatography** C. Radial chromatography

D. Descending chromatography

Branch of chemistry that deals with the

Fluted filter paper is used to\_\_\_\_\_?

B. Avoid premature crystallization **C. Increase the rate of filtration** 

at its melting point on heating will

A substance having very high vapour pressure

A technique of partition chromatography in which the solvent is in a pool at the bottom of

C. solvents	A. needed
D. both A & B	B. avoided
	C. depends on temperature
Crystallization does not	D. crystallization does not involve heating
involve?	,
	Rate of filtration can be increased by applying
A. heating	gentle suction ?
B. sublimation	gentie succion
C. cooling	A. Gooch crucible
D. vaporization	B. Filter paper
D. Vaporization	C. Sintered crucible
In CCI4 I2 shows?	D. All of the above
A. Red colour	Size of filter paper is selected according to the
B. Purple colour	amount of?
C. Blue colour	
D. Yellow colour	A. solution
	B. amount of insoluble solute
Direct conversion of solids into vapours is	C. amount of soluble solute
called?	D. Amount of solvent
A. Solvent extraction	The tip of funnel should touch the wall of the
B. sublimation	breaker in order to
C. crystallization	avoid?
D. vaporization	
	A. Inconsistent flow of filtration
Without suction pump filtration is	B. splashing
	C. premature crystallization
110001	D. all of above
A. Fast process	
B. Slow process	The technique used to separate components of
C. Rapid process	mixture in solid phase ?
D. All are possible	•
•	A. Crystallization
The use of CaCl2 and PCl5 in the process of	B. Filtration
crystallization is as a?	C. Sublimation
<u></u>	D. Solvent extraction
A. oxidizing agent	
B. reducing agent	<b>Identification of the components of a sample</b>
C. drying agent	is?
D. colouring agent	·
2. Colouring agent	A. Quantitative analysis
In solvent extraction ether is used to separate	B. Qualitative analysis
products of organic synthesis	C. Stoichiometry
from?	D. Physical chemistry
	D. I flysical elicinistry
A. water	Different components of a mixture have
B. iodine	different Rf values due to?
C. hydrochloric acid	•
D. gases	A. Polar solvent used
2. 5	B. Combination of solvents used
In crystallization if the solvent is inflammable	C. Their different distribution coefficients in
then direct heating is?	the solvent
men un eet neuung 13	D. Distributive law
	D. Dibailounive law

A process controlled by Distributive law	C. 4
is?	D. 5
A. Crystallization	Selection of filter paper depends on size of
B. Sublimation	particles to be?
C. Solvent extraction	
D. Filtration	A. filtered
	B. dried
Safe and the most reliable method of drying	C. decolorized
crystals is through?	D. decanted
A Filter paper	Which is not a sublime
A. Filter paper B. Vacuum desiccators	
	material?
C. Oven	A T 1'
D. None of these	A. Iodine
	B. Benzoic acid
Silica gel and alumina are used as	C. Ammonium chloride
?	D. Potash alum
A. Mobile phase	Shaking two immiscible liquids
B. Stationary phase	increases?
C. Mixed phase	
D. Single phase	A. Length of contact
z. single phase	B. Volume of contact
The solvent or mixture of solvents used for	C. Area of contact
separation of compounds is	D. all of above
called ?	D. all of above
	The solution remaining after the formation of
A. Stationary phase	crystals is called?
B. Mobile phase	crystals is called
_	A Mathanlianan
C. Dynamic phase	A. Mother liquor
D. Static phase	B. Dilute solution
C' . 4 1 . 1	C. Residue
Sintered glass is a porous material used for?	D. both A & B
	The ionization energy?
A. absorption	
B. adsorption	A. Generally increases from left to right in a
C. filtration	period
D. sublimation	B. Does not change in a period
	C. Increase from top to bottom in a group
Which is not related pair of term used in	D. Does not change in a group
analytical techniques?	
•	Which type of bond is formed by overlap of p
A. Filtrate residue	orbitals?
B. Sublimate sublimation	·
C. Drying desiccator	A. Pi
D. Separating funnel mother liquor	B. Sigma
2. Separating ranner motion inquor	C. Both
The major steps involved in complete	D. Neither
quantitative analysis are?	D. INCHIE
quantitative analysis are;	The actor mile does not always hald for which
۸ 2	The octet rule does not always hold for which
A. 2 B. 3	of the following elements?
D. J	

	Woda in Chemistry
A. C	A. Increases
B. O	B. Decreases
C. F	C. Remain same
D. P	D. First decreases then increases
Which of the following is the best explanation that CO2 is non polar molecule	Energy required to remove electron from an atom?
<u> </u>	
	A. Ionization potential
A. Linear geometry	B. Electronegativity
B. Dipole moment is zero	C. Electron affinity
C. Sp hybridization	D. Activation energy
D. None	
	Greater shielding effect corresponds to
Which one is not the absolute term of the	ionization energy value ?
	ionization energy value
element?	
	A. Greater
A. Ionization energy	B. Lesser
B. Electron affinity	C. Remain same
C. Electro negativity	D. No effect
D. Atomic size	
	Energy released or absorbed when electrons
In O2 each oxygen atom is	are added in atom is?
• •	are added in atom is
hybridized?	
	A. Ionization potential
A. sp3	B. Electronegativity
B. sp2	C. Electron affinity
	D. Activation energy
D. All	
	Elements of group IA IIA are
Measurement of the degree of polarity	?
- · ·	·
is?	A Til
	A. Electronegative
A. Electron affinity	B. Electropositive
B. Ionic character	C. Neutral
C. Ionization energy	D. IA is electropositive while IIA is
	<u> </u>
D. Dipole moment	electronegative
A specie with maximum number of unpaired	Mostly ionic compound are produced in
electrons?	between elements of?
	v
A. E.	A IA and VIA
A. F	A. IA and VIA
B. H2O	B. IA IIA and VIIA
C. HF	C. IB and VIIB
D. NH-2	D. IA and IB
D. 1111 2	D. II tulid ID
Force responsible to hold atoms together in a	The Lewis acids are?
-	THE LICHTUR GROWN GIVE
compound is called?	
	A. Electron deficient
A. Bond	B. Electron rich
B. Attractive force	C. Octet is complete
C. Interaction	D. No such acids exist
	D. INU SUCII ACIUS CXISI
D. All of above represent same entity	
	The geometry of ammonia
In a period the atomic radius?	is?
T-1-1-1	

<ul><li>A. Tetrahedral</li><li>B. Square planner</li><li>C. Trigonal bipyramidal</li></ul>	The relative attraction of the nucleus for the electrons in a chemical bond is called?
D. Trigonal Pyramidal	
	A. Ionization energy
By combining n atmic orbitals no. of hybrid	B. Electron affinity
orbitals will be?	C. Electro negativity
	D. None of the above
A. 2n	
B. n	Which of the following will have highest value
C. 3n	of electron affinity?
D. impossible to predict	·
•	A. F
Geometry of simple molecule having sp3	B. Cl
hybrid orbital is?	C. Br
· ——————	D. I
A. Triangular	
B. Tetrahedral	Which of the solid does not contain covalent
C. Square planner	bond?
D. Linear	•
D. Linear	A. Copper
Pi bonds are produced by overlapping	B. Ice
of?	C. Diamond
·	
A. I'm hybrid orbitals	D. Graphite
A. Un-hybrid orbitals	Chielding effect across the newind
B. Hybrid orbitals	Shielding effect across the period
C. Hybrid and un hybrid orbitals	?
D. atomic orbital and hybrid orbital	COST
	A. Increases
Molecular orbital which have higher energy	B. Decreases
than atomic orbitals is	C. Constant
called?	D. None
A. Bonding molecular orbital	Which one has maximum number of unpaired
B. Antibonding molecular orbital	electrons?
C. Hybrid orbital	
D. Super atomic orbital	A. 6X
	B. 7Y
Bond order for N2 molecule is	C. 9Z
<u> </u>	D. 13W
A. 2	Molecular orbitals are filled according to
B. 1	?
C. 3	
D. 4	A. Auf bau principle
	B. Hunds rule
Unit of dipole moment is?	C. Paulis Exclusion principle
•	D. All these
A. Debye	D. MI HICK
B. Poise	Which one shows high %age of the ionic
C. Pascal	character?
	CHAI ACICI :
D. Newton	A 1120
	A. H2O
	B. HF

C. HCI D. HBr	C. Remain constant D. Variable trend
Which of the following have their outer most shell complete in atomic form ?	Ionic bond is produced after complete transfer of?
A. Noble gases	A. Nucleus
B. Alkali metals	B. Neutrons
C. Coinage metals	C. Electrons
D. Gun metals	D. Protons
nergy of atom in compound is?	Bond will beionic when E.N difference of bonded atom is?
EA. Higher than individual	A. Equal to 1.7
B. Lesser than individual	B. Greater than 1.7
C. No change	C. Less than 1.7
D. Impossible to predict	D. No specificity exists
An atom loses or gains electrons to?	Which one of the following has polar covalent bond?
A. Gain stability	A. HF
B. Form a bond	B. CH4
C. Complete its outermost shell	C. H2
D. all are accurate justifications	D. N2
In a group ionic radius?  Free of	Sharing of 1 electron pair by one specie forms?
A. Increases	
B. Decreases	A. Single covalent bond
C. No change	B. Hydrogen bond
D. Variable trend	C. Double covalent bond
	D. Coordinate covalent bond
Ionization energy in a period generally	
?	Orbitals of same energy produced after mixing of orbitals of different energy are called
A. Increases	?
B. Decreases	
C. No change	A. Degenerate orbitals
D. Variable trend	B. Generate orbitals
	C. Hybrid orbitals
Elements having high I.P values are?	D. Zeeman orbitals
	Geometry of molecule will be pyramidal if the
A. Metals	outer post shell of the central atom
B. Non metals	has?
C. Liquids	
D. Solids	A. 3 bond pair one lone pair
	B. 2 bond pair 2 lone pair
In a period electronegativity from left to	C. 1 bond pair 3 lone pair
right?	D. 3 lone pair 1 bond pair
A. Increases	
B. Decreases	

According to VESPR Model the geometry of	C. The molecules occupy no space
molecule having 5 bond pair in outer most shell	D. All of the above are correct
will be?	
	Under what conditions the gases deviate fron
A. Triangular	the ideal behavior?
<del>_</del>	the lucal behavior:
B. Square planner	A 77' 1
C. Trigonal bipyramidal	A. High temperature
D. Octahedral	B. Low temperature
	C. High pressure
Unpaired electron in a molecule gives	D. B and C
character ?	
	Which one has the lowest density at room
A. Ferromagnetic	temperature ?
B. Paramagnetic	temperature.
C. Diamagnetism	A No
	A. Ne
D. Both A & B	B. N2
	C. NH3
Product of charge and distance is	D. CO
called?	
	The introduction of Kelvin scale in
A. Pressure	thermodynamic is according
B. Bond length	to?
C. Work	•
D. Dipole moment	A. Boyles law
D. Dipote moment	B. Charles law
on sp3 hybridization ?	C. Daltons law
on sp3 hybridization?	
	D. Grahams law
A. All p-orbitals are involved	T LOST
B. One s and 3 p-orbitals are involved	At constant temperature the pressure of an
C. one p-orbital is involved	ideal gas is doubled its density
D. four p-orbitals are involved	becomes?
What is the relative rate of effusion of CO and	A. Half
CO2 ?	B. Double
	C. Same
A. CO is 1.25 times faster than CO2	D. None
	D. Nolle
B. CO is 3.75 times faster than CO2	
C. CO is 1.25 times faster than CO	The diffusion of gases at absolute zero will
D. Both diffuse at the same rate	be?
Which of the following is not considered as an	A. Unchanged
intermolecular force between molecules?	B. Slightly decreased
	C. Slightly increased
A. Coordinate covalent bonds	D. Zero
B. Hydrogen bonds	2.2010
C. Debye forces	Critical temperature for different gases is
· · · · · · · · · · · · · · · · · · ·	_
D. London dispersion forces	different and depends upon?
Ideal gaggag have all the fallered: -	A Size of molecula
Ideal gasses have all the following	A. Size of molecule
characteristics except ?	B. Shape of molecule
	C. Intermolecular attractions
A. Absence of intermolecular forces	D. All of the above
B. Collisions among the molecules of an ideal gas	
are perfectly elastic	What is the simplest form of matter?

32	
	MCQs in Chemistry
A. Gas	Hydrogen effuses four times more rapidly than
B. Liquid	volume of an unknown gas molar mass of
C. Solid	unknown gas should be?
D. Semi solid	
	A. 16 gmol-1
Which state of matter has the lowest density?	B. 32 gmol-1
·	C. 48 gmol-1
A. Gas	D. 64 gmol-1
B. Liquid	
C. Solid	The processes of effusion and diffusion are best
D. Plasma	understand by?
The solid particles only	A. Daltons law
posses?	B. Avogadros law
	C. Grahams law
A. Translational motion	D. Charles law
B. Vibrational motion	
C. Rotational motion	The non-ideal behaviour results chiefly
D. All of above motions	from?
If 1/V is plotted on X-axis and pressure on Y-	A. Intermolecular attraction and infinite volume
axis at constant temperature what should	B. Elastic collisions and finite volume
appear?	C. Intermolecular attractions and finite volume
	D. Intermolecular attraction only
A. Straight line parallel to x-axis	
B. Straight line parallel to y-axis	Linds method is employed
C. Straight line	for?
D. Curve Free of	Cost
One make of an ideal are at 540 5 W and an 2	A. Separation of gases
One mole of an ideal gas at 546.5 K under 2	B. Expansion of gases
atm pressure has a volume	C. Compression of gases
of?	D. Liquefaction of gases
A. 22.414 m3	Which of these gases diffuse more quickly than
B. 44.828 dm3	oxygen?
C. 22.414 dm3	oxygen:
D. 11.212 cm3	A. H2S
D. 11.212 CHIS	B. NO
Which one is not the partial pressure of oxygen	C. Cl2
in the lungs?	D. N2O
in the lungs.	D. 1120
A. 0.1526 atm	The weakest (in strength) of the following
B. 116 mm of Hg	intermolecular forces is?
C. 116 torr	•
D. 1 atm	A. Hydrogen bonding
— · - · · · · · ·	B. Vander Waals force
The kinetic molecular theory of gases was put	C. Forces among the polar molecules
forward in 1738 by?	D. Ionic bond
· · · · · · · · · · · · · · · · · · ·	
A. Boltzman	Which of the following statements is true about
B. Maxell	plasma?

A. It may be the first state of matter B. It is not a phase transition

C. Clausius

D. Bernoulli

	MCQs in Chemistry
C. It is a conductor of electricity	A. Surface tension
D. All of the above	B. Aqueous tension
D. All of the above	<u>-</u>
	C. Vapour pressure
0.5 mole of nitrogen gas and 0.5 mole of carbon	D. Hydraulic pressure
monoxide gas at STP have	
same?	The spreading of fragrance or scent in air is
same	
	due to?
A. Value of a	
B. Mass	A. Diffusion
C. Atoms	B. Effusion
D. Both B and C	C. Attraction with air
	D. Low dsensity
Which of the following option is incorrect	
about gases ?	The highest temperature at which a substance
about Subcb .	<u> </u>
	can exist as a liquid is called
A. All molecules move with same speed	its?
B. All molecules behave independently	
C. PV / RT = n	A. Critical temperature
D. All gases cannot be liquefied through Linds	B. Standard temperature
Method	C. Absolute temperature
	D. Upper consulate temperature
In how many forms do matter exists?	11
III IIOW IIIIII IIO IIIII IIO IIIIII IIO	What do we call to sudden expension of plasme
	What do we call to sudden expansion of plasma
A. Three	?
B. Four	
C. Five	A. Avogadros law
D. Two	B. Grahams law of diffusion
	C T 1 TI
	C. Joule Thompson effect
What is the abundant form of matter on earth	<ul><li>C. Joule Thompson effect</li><li>D. Daltons law of partial pressure</li></ul>
What is the abundant form of matter on earth	D. Daltons law of partial pressure
What is the abundant form of matter on earth?	D. Daltons law of partial pressure  What will be the pressure of 1 mole of an ideal
What is the abundant form of matter on earth?  A. Gas	D. Daltons law of partial pressure
What is the abundant form of matter on earth?  A. Gas B. Liquid	D. Daltons law of partial pressure  What will be the pressure of 1 mole of an ideal
What is the abundant form of matter on earth?  A. Gas	D. Daltons law of partial pressure  What will be the pressure of 1 mole of an ideal
What is the abundant form of matter on earth?  A. Gas B. Liquid C. Solid	D. Daltons law of partial pressure  What will be the pressure of 1 mole of an ideal gas maintained at 300 K and 250cm3 volume?  A. 98.5 atm
What is the abundant form of matter on earth?  A. Gas B. Liquid	D. Daltons law of partial pressure  What will be the pressure of 1 mole of an ideal gas maintained at 300 K and 250cm3 volume?  A. 98.5 atm B. 96.7 atm
What is the abundant form of matter on earth?  A. Gas B. Liquid C. Solid D. Plasma	D. Daltons law of partial pressure  What will be the pressure of 1 mole of an ideal gas maintained at 300 K and 250cm3 volume?  A. 98.5 atm B. 96.7 atm C. 95.8 atm
What is the abundant form of matter on earth?  A. Gas B. Liquid C. Solid D. Plasma  For a gas where volume and pressures are	D. Daltons law of partial pressure  What will be the pressure of 1 mole of an ideal gas maintained at 300 K and 250cm3 volume?  A. 98.5 atm B. 96.7 atm
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What is the abundant form of matter on earth?  A. Gas B. Liquid C. Solid D. Plasma  For a gas where volume and pressures are 1dm3 and 2 atm respectively what should be its	D. Daltons law of partial pressure  What will be the pressure of 1 mole of an ideal gas maintained at 300 K and 250cm3 volume?  A. 98.5 atm B. 96.7 atm C. 95.8 atm D. 97.1 atm
What is the abundant form of matter on earth?  A. Gas B. Liquid C. Solid D. Plasma  For a gas where volume and pressures are 1dm3 and 2 atm respectively what should be its new volume when pressure is increased to 6	D. Daltons law of partial pressure  What will be the pressure of 1 mole of an ideal gas maintained at 300 K and 250cm3 volume?  A. 98.5 atm B. 96.7 atm C. 95.8 atm D. 97.1 atm  Who made volume and pressure correction to
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What is the abundant form of matter on earth?  A. Gas B. Liquid C. Solid D. Plasma  For a gas where volume and pressures are 1dm3 and 2 atm respectively what should be its new volume when pressure is increased to 6 atm at constant temperature?  A. 1/2dm3 B. 1/3dm3	D. Daltons law of partial pressure  What will be the pressure of 1 mole of an ideal gas maintained at 300 K and 250cm3 volume?  A. 98.5 atm B. 96.7 atm C. 95.8 atm D. 97.1 atm  Who made volume and pressure correction to explain deviation of gases from ideal behaviour?  A. Clausius
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What is the abundant form of matter on earth?  A. Gas B. Liquid C. Solid D. Plasma  For a gas where volume and pressures are 1dm3 and 2 atm respectively what should be its new volume when pressure is increased to 6 atm at constant temperature?  A. 1/2dm3 B. 1/3dm3 C. 1/4dm3 D. 2/3dm3  Which one is the right value for R?  A. 0.0821 atm dm3k-1mol-	D. Daltons law of partial pressure  What will be the pressure of 1 mole of an ideal gas maintained at 300 K and 250cm3 volume?  A. 98.5 atm B. 96.7 atm C. 95.8 atm D. 97.1 atm  Who made volume and pressure correction to explain deviation of gases from ideal behaviour?  A. Clausius B. Boltzman C. Charles D. Vander waal
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What is the abundant form of matter on earth?  A. Gas B. Liquid C. Solid D. Plasma  For a gas where volume and pressures are 1dm3 and 2 atm respectively what should be its new volume when pressure is increased to 6 atm at constant temperature?  A. 1/2dm3 B. 1/3dm3 C. 1/4dm3 D. 2/3dm3  Which one is the right value for R?  A. 0.0821 atm dm3k-1mol-1 C. 2 cal k-1 mol-1 D. 8.314 Nm2k-1mol-1	What will be the pressure of 1 mole of an ideal gas maintained at 300 K and 250cm3 volume?  A. 98.5 atm B. 96.7 atm C. 95.8 atm D. 97.1 atm  Who made volume and pressure correction to explain deviation of gases from ideal behaviour?  A. Clausius B. Boltzman C. Charles D. Vander waal  The gases become non-ideal at?  A. High temperature and high pressure B. Low temperature and low pressure C. High temperature and low pressure
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The pH of 10-3 mol dm-3 of an aqueous	A. reversible
solution of H2SO4 is?	B. irreversible
	C. spontaneous
A. 3	D. non-spontaneous
B. 2.7	
C. 2	Conversion of reactant into product in unit
D. 1.5	time is called?
If a buffer solution of higher pH than seven is	A. rate of forward reaction
to be made we use?	B. rate of backward reaction
	C. rate constant
A. Strong acid and strong base	D. rate co-efficient
B. Weak acid and strong base	
C. Weak acid and strong base	Unit of Kc is?
D. Weak acid and its salt with strong base	
_ · · · · · · · · · · · · · · · · · · ·	A. moles2dm+6
AgCl dissolved with conc (2×10-2) Ksp will	B. moles-2dm+6
be?	C. moles+2dm-6
	D. Kc may or may not have units
A. 3.6 x 10-6	D. Ix may of may not have units
B. 3.6 x 10-5	Rate expression for ammonia synthesis
C. 7.2 x 10-6	is?
D. 4 x 10-4	15;
D. 4 X 10-4	A. $Kc = x2/(a-x)(b-x)$
Which of the following will not change the	B. $Kc = x2/(a-x)(b-x)$
concentration of ammonia at the equilibrium?	C. $Kc=4\times2/(a-2x)2(b-x)$
concentration of ammonia at the equilibrium:	D. $Kc=4x2v((a-2x)2(b-3x))$
A Ingresse of processor	D. KC=4x2v2/(a-x)(0-3x)3
A. Increase of pressure B. Increase of volume	Catalant wood to smood up the procetion of
	Catalyst used to speed up the reaction of
C. Addition of catalyst	ammonia synthesis
D. Decrease of temperature	is?
For a reaction involving only gases at 25?C the	A. V2O5
equilibrium constant can be expressed in terms	B. V2O5 and Pt
of molarity Ke or partial pressure Kp. Which is	C. Fe
true about the numerical value of Kp?	D. Pieces of Fe crystals are embedded in fused
<b>,</b>	mixture of MgO Al2O3 and SiO2
A. Kc is generally greaer than Kp	
B. Kc is generally less than Kp	By the addition of base in waterpH will
C. Kc is generally equal to Kp	be?
D. Kc is equal to Kp if the total moles of	
reactants and products are equal	A. more than 7
reactions and products are equal	B. less than 7
Which one of the following aqueous solutions	C. equal to 7
will be basic?	D. no effect
will be basic.	D. no cricet
A. NaCI	Negative log of mular concentration of H+ ion
B. Na2SO4	is called?
C. Na2CO3	in current.
D. FeCl3	A. pH
D. 1 0013	B. pOH
Reaction which proceeds in both directions is	C. pKa
called?	D. pKw
cancui	D. pxw

Any substance which accepts H+ is base	C. glue
favours the concept?	D. solution of CuSO4
A. Lowrys	Solution having the property of a very little
B. Lewis	change in pH on adding a small amount of
C. Arrhenius	strong acid or base is called?
D. None of these	
	A. buffer solution
When sparingly soluble salt is in equilibrium	B. normal solution
with molar concentration of its oppositely	C. standard solution
charged ion when the product is	D. neutral solution
called?	
	Conjugated base of a weak acid
A. common ion effect	is?
B. solubility product	•
C. dissociation constant	A. weak
D. dissociation constant for an acid	B. strong
D. dissociation constant for an acid	8
1444	C. moderately weak
Addition of CH3COOH and CH3COONa gives	D. unstable
in water?	
	Kc value has?
A. Standard solution	
B. buffer solution	A. No units
C. acidic buffer solution	B. Units
D. both B & C	C. Both A & B
	D. None
Solubility of any salt can be determined	
from ? Free of	Sodium benzoate and benzoic acid are mixed in
	equimolar ration to form buffer if pKa is 2
A. Ka	what will be the pH?
B. Kb	r
C. Kc	A. 0
D. Ksp	B. 1
2.12p	C. 2
By decreasing the pressure the reaction will go	D. any one
to that direction where?	D. any one
to that unection where	In which of the following equilibrie will Ke and
A1 !- 11	In which of the following equilibria will Kc and
A. volume is decreased	Kp have the same value?
B. volume increased	A DOLG DOLG GIA
C. heat absorbed	A. PCI5 = PCI3 + Cl2
D. no. of moles of specie decreased	B. $N2 + 3H2 = 2NH$
	C. 2CO + O2 = CO2
Equilibrium state is achieved quickly by the	D. N2 + O2 = 2NO
addition of?	
	Which of following is not a
A. reactants	base?
B. acid	
C. base	A. KOH
D. catalyst	B. NH3
-	C. PH3
Which one of the following is a buffer solution	D. BF3
?	
	Which set of solutes will form a buffer when
A. brine	dissolved in water to make 1 litter of solution?
B. blood	and of the many to make I mill of solution .
21 22004	

A. 0.0002M HCI	A. boron
B. 0.2 mole of NaCI with 0.2 mole of HNO3	B. iron
C. 0.4 mole of CH3COOH with 0.4 mole of	C. copper
NaOH	D. carbon
D. 0.4 mole of NH3 with 0.2 mole of HCI	
	Three elements needed for the healthy growth
Chemical equilibrium state	of plants are?
is?	_
	A. N P K
A. dynamic state	B. N K C
B. static state	C. N S P
C. free state	D. N Ca P
D. unidirectional state	
	Residence time of methane in the atmosphere
At start of reaction the concentration of	is?
reactants is?	
·	A. 3 – 7 days
A. high	B. 2 -3 days
B. low	C. 3 – 7 years
	•
C. according to Kc	D. $2-3$ years
D. constant	II
T 6 T7 1 1	Hypochlorous acid is used for disinfecting the
In case of gases Kc is replaced	water it reacts with the dissolved ammonia
by?	producing?
A 17	A NHOCI
A. Ka	A. NH2Cl
B. Kb	B. NHCI2
C. Kp Free of	C. NCI2
D. K	D. all of the above
When the value of Ve is year, small	A aid progent in a aid rain may
When the value of Kc is very small	Acid present in acid rain may
then?	be?
A	A 110004
A. reaction is at start	A. H2SO4
B. product conc. Is maximum	B. HNO3
C. reactant conc. Is minimum	C. both A and B
D. reaction is completed	D. none
Idea of all and aOII was not forward	Which of the following is not a condition for
Idea of pH and pOH was put forward	Which of the following is not a condition for
by?	the formation of smog ?
A. Gibbs	A. sufficient NO
B. Einstein	B. sunlight
C. Sorenson	C. less movement of air
D. Chadwick	D. winds
T 10. 2	T. 11.1 (64) (61) (1.1 (1.1 (1.1 (1.1 (1.1 (1.1 (1.1 (1
Ka<10-3 means?	In which of the following layer of atmosphere
A 37	there is more thickness of ozone layer?
A. Very strong base	
B. Very weak acid	A. troposphere
C. Very strong acid	B. stratosphere
D. Very strong salt	
D. Very strong sait	C. mesosphere
Which of the following is a macro nutrient?	

MCQs in Chemistry C. fresh water lakes and ponds ave equal distribution centage of suspended solid waste in raw removed by coagulation in product of bacterial action its have adverse effect ? here ystem a & b osphere of the following is not a heavy industry zer ment of macronutrient per acre of the 200 kg  $0 \, \mathrm{kg}$ 100 kg 00 kg of the following is not a secondary nt\_\_\_\_\_?

Which of the following air pollutants is more dangerous for ozone layer?	<ul><li>C. fresh water lakes and ponds</li><li>D. All have equal distribution</li></ul>
A. CFC	The percentage of suspended solid v
B. CO2	water is removed by coagulation
C. CO	is?
D. Oxides of nitrogen	•
D. Oxides of introgen	A. 60
Which statement is remove 9	B. 70
Which statement is wrong?	
	C. 80
A. the amount of ozone layer is greater in the	D. 90
region close to the equator	
B. ozone acts as filter for UV radiations	The main product of bacterial action
C. in the equatorial region it acts as pollutant	is?
D. CFCs play effective role in removing O3 in the	
stratosphere	A. Nox
•	B. NO2
In the purification of portable water the	C. N2O3
coagulant used is?	D. NO
coagulant used is	D. NO
A. alum	Pollutants have adverse effect
B. nickel sulphate	over?
C. copper sulphate	
D. barium sulphate	A. Biosphere
	B. Ecosystem
Newspaper can be recycled again and again	C. Both a & b
how many times ?	D. Hydrosphere
Free of	Which of the following is not a heav
A. 2	Which of the following is not a heav
B. 3	?
C. 4	•
D. 5	A. iron
D. 5	B. fertilizer
Th	
The main pollutant of leather tanneries in the	C. paper
waste water is?	D. none
	<b>5</b>
A. chromium III	Requirement of macronutrient per
B. chromium IV	land is?
C. chromium V	
D. chromium VI	A. 5 to 200 kg
	B. 20-200 kg
Which substance can be used for disinfecting	C. 200-400 kg
water ?	D. 30-400 kg
A. KMnO4	Which of the following is not a second
B. Alums	pollutant?
	ponutant
C. Ozone	<b>A</b>
D. All	A. ozone
	B. carbonic acid
Which one of the following makes the bulk of	C. sulphuric acid
hydrospheres content ?	D. carbon dioxide
A. oceans	Major cause of SO2 on global scale
B. glaciers & icecaps	is?

38	
A	MCQs in Chemistry
A. volcanoes	Which of the following is used as water
B. electric sparks	disinfectant to avoid the formation of toxic
C. combustion	compounds?
D. all	. (12
	A. Cl2
The yellow colour in photochemical smog is	B. O3
due to presence of?	C. ClO2
	D. both B & C
A. dinitrogen oxide	
B. nitrogen dioxide	Ozone hole is substantial depletion of ozone in
C. chlorine gas	every year during?
D. chlorine dioxide	
210	A. Aug – Nov
Which of the following is not primary	B. Sep – Nov
- ·	C. Nov – Dec
pollutant?	
1 000	D. Dec – Jan
A. SO3	*****
B. CO	Which of the following solutions of H2SO4 is
C. NO	more concentrated ?
D. H2SO4	
	A. 1 Molar solution
Which of the following gases is the main cause	B. 1 molal solution
of acid rain?	C. 1 normal solution
- <del> </del>	D. all have same concentration
A. CO	B. all have balle concentration
B. NO2	Which of the following is an example of liquid
C. both a & b	in gas solution?
D. none of the above	LOST
	A. Opals
Which of the following factors help to measure	B. Dust particles in smoke
quallity of water ?	C. Paints
	D. Fog
A. DO	
B. BOD	Which of the following are the conditions of
C. COD	colligative properties?
D. all of the above	
Di dii di die doore	A. Non-electrolye solute
A single chlorine free radical can destroy how	B. Non-volatile solute
many ozone molecules ?	C. Dilute solution
A 10	D. All of the above
A. 10	
B. 100	When common salt is dissolved in water?
C. 10000	
D. 100000	A. Boiling point of water decrease
	B. Boiling point of water increase
Chlorination of water may be harmful if the	C. Boiling point of water remains same
water contains ?	D. None of the above

Homogeneous mixture of two or more than two

compounds is called\_\_\_\_\_?

A. solution B. compound C. radical D. ion

A. Ammonia

D. All

B. Dissolved oxygen

C. Carbon dixide

Solution with maximum concentration of solute	C. Linds method
at given temperature is	D. none of the above
called?	
·	The compounds in which water molecules are
A. Super saturated solution	added are called?
	audeu are caneu
B. unsaturated solution	A TT 1 . 1'
C. saturated solution	A. Hydrated ions
D. dilute solution	B. double salts
	C. hydrates
Number of moles in 1 kg of solvent is	D. complexes
called?	
	Solution of Na2SO4 will
A. normality	be?
B. molarity	•
· · · · · · · · · · · · · · · · · · ·	A basis
C. molality	A. basic
D. mole fraction	B. acidic
	C. neutral
In partially miscible liquids the two layers	D. cannot be presicted without data
are?	
	1 molar solution of glucose in water contains
A. saturated solutions of each liquid	weight of glucose?
B. unsaturated solutions of each liquid	weight of gracose
<u> </u>	A 190a/dm2
C. normal solution of each liquid	A. 180g/dm3
D. no layer formation takes place	B. 170g/dm3
	C. 190g/dm3
The relative lowering of vapour pressure	D. 195g/dm3
is?	
Free of	Water of crystallization can be removed
A. equal to the mole fraction of solvent	by?
B. equal to the mole fraction of solute	· · · · · · · · · · · · · · · · · · ·
C. directly proportional to the mole fraction of	A. drying
solute	B. heating
	9
D. both B & C	C. evaporation
	D. All of the above
Mixtures which distill over without change in	
composition called?	Which one of the following salt does not
	hydrolyzed?
A. zeotropic mixture	•
B. azeotropic mixture	A. Na2SO4
C. amphoteric mixture	B. AlCl3
D. ideal solution	C. CuSO4
D. Ideal Solution	
G I I III. ATZOTOA	D. NH4Cl
Solubility of KCIO3	
gives?	Which of the following unit of concentration is
	independent of temperature?
A. continuous and falling solubility curve	
B. discontinuous and falling solubility curve	A. Molarity
C. continuous and rising solubility curve	B. Molality
D. discontinuous and rising solubility curve	C. Mole fraction
D. discontinuous and fishing solubility curve	
Doiling point aloyations can be as a series	D. all
Boiling point elevations can be measured	779
by?	The molal boiling point constant is the ration of
	the elevation of boiling point
A. Beckmanns method	to?
B. Landsbergers method	

A. Molarity	If the volume of solution is equal to sum of
B. Molality	volumes of its all components then the
C. More fraction of solvent	solution?
D. Mole fraction of solute	
	A. will be an ideal solution
Which has the minimum freezing point?	B. will be non-ideal solution
	C. will show deviations from Raoults law
A. One Molal NaCI	D. both b & c
B. One molal KCI solution	
C. One molal CaCI2	The solution which distils over with change in
D. One molal urea solution	composition?
Which of the following substance do not show	A. ideal solution
continuous solubility curve ?	B. zeotropic solution
v	C. azeotropic solution
A. KCIO4	D. non-ideal solution
B. Na2SO4. 10H2O	2 1 1011 10011 1001011011
C. K2Cr2O7	Concentration of solute molecule when they are
D. PbCl2	in equilibrium with solid substance at
D. 1 0C12	particular temperature is
Every sample of matter with uniform	called?
•	caneu
properties and fixed composition is	A softwarfed collection
called?	A. saturated solution
A 1.4	B. solubility
A. solute	C. unsaturated solution
B. solvent	D. super saturated solution
C. solution	
D. phase Free of	The determination of correct molecular weight from Raoults law is applicable
The component of solution which is in smaller	to?
amount is called?	
	A. a volatile solute in dilute solution
A. solvent	B. a non-electrolyte & non volatile solute in
B. solute	concentrated solution
C. phase	C. a non-electrolyte & non volatile solute in
D. ion	concentrated solute
2.101	D. non volatile solute in a dilute solution
10ml of alcohol dissolve in 90ml of water unit	20 non volume solute in a unite solution
of concentration used is?	Beckmanns apparatus is used to
or concentration used is	measure?
A. % w/w	incasure
B. % w/v	A. boiling point elevation
C. % v/v	B. depression in freezing point
D. % v/w	C. lowering of vapour pressure
D. 70 V/W	
50 5 6 -6 N Cl 1 J 2 -6 1 46 N Cl	D. lowering of osmotic pressure
58.5g of of NaCl per 1 dm3 of solution of NaCl	II14:::-
in water the concentration of solution will	Hydration is a process in
be?	which?
A. 0.1 M	A. Molecules are surrounded by solvent molecules
B. 1 m	B. Ions are surrounded by solvent molecules
C. 1 M	C. Both ions and molecules are surrounded by
D. 0.1 N	solvent molecules
	D Roth ions and molecules are surrounded by

water molecules

Electricity in voltaic cell is produced due ppm means\_\_\_\_ A. parts of solute in 1000 parts of solvent B. parts of solvent in 1000 parts of solute A. neutralization C. parts of solute in one million parts of B. oxidation solution C. reduction D. parts of solvent in one million parts of solute D. both B & C The relative lowering of vapour pressure is In electrolytic cell electricity directly proportional to molality if the solution is\_\_\_\_\_? A. spontaneous reaction A. concentrated **B.** non-wpontaneous reaction B. dilute C. neutralization C. saturated solution D. all of above D. all of the above In Galvanic cell electrons flow from anode to cathode through\_\_\_\_\_? If electricity is passed through CuSO4 solution by using Pt electrode then which of the following possible change occurs? A. external electric circuit B. salt bridge A. H2 is deposited at cathode C. movement of ions B. Colour of the solution becomes fade D. all of the above C. Cu is deposited at anode D. All are possible vThe strength of solution of an element whose electrode potential is to be measured Which has maximum oxidation number? is Free of A. 2M A. N B. 1N B. Cr C. S C. 1m D. Mn **D.** 1M In an electrolytic cell current flows? Voltaic cell is a\_\_\_\_\_ A. From cathode to anode in outer circuit A. irreversible cell B. From anode to cathode outside the cell B. reversible cell C. From cathode to anode inside the cell C. alkaline cell D. both B & C D. all of the above In a galvanic cell\_\_\_\_\_? Percentage of sulfuric acid in lead accumulator is\_\_\_\_? A. Chemical energy is converted into electricity B. Chemical energy is converted into heat A. 40% C. Electrical energy is converted into chemical B. 25% C. 30% D. Electrical energy is converted into heat D. 50% Molten NaCl conducts electricity due to the The half cells are interconnected presence of\_\_\_\_\_\_ ? through\_\_\_\_\_ A. Free electrons A. wire B. Free molecules B. salt bridge C. Free ions C. electric circuit D. Atoms of Na and Cl D. no connection exists

Which of the following element act as inert	C. redox
electrode?	D. decomposition
CCu	Decrease in oxidation number is
B. Ag	called?
C. Pt	
D. None	A. oxidation
	B. reduction
Stronger the oxidizing agent greater is	C. oxidation-reduction
the?	D. all of above represent same entity
	-
A. Oxidation potential	Right half cell contains
B. Reduction potential	electrode?
C. Redox potential	
D. emf of cell	A. A1
	B. Zn
Which of the following cell is not rechargeable	C. Cu
?	D. Fe
•	D. 10
A. Lead storage battery	Salt bridge transfers?
B. Silver oxide cell	sait bridge transiers
C. Fuel cell	A. electrons
D. Ni-Cd cell	B. anion
XXII	C. current
Which of the following is true in the case of Zn-	D. ions
Cu cell ?	
	E0red of an element cab be calculated by
A. The flow of electrons takes place from copper	comparing it with?
to zinc	
B. E0red of copper electrode is less than that of	A. New electrode of same element
zinc electrode	B. SHE
C. Zinc acts as an anode and copper as cathode	C. 1M solution of ions of respective element
D. All are correct	D. 2M solution of HCI
The degree of dissociation of week electrolyte	Potential of SHE is considered
increases as?	as?
A. Pressure increases	A. zero
B. Dilution decreases	B. unity
C. Dilution increases	C. constant
D. None	D. multiple of 1
In electrolytic solution conductance of	Electrode potential of Zn
electricity is due to?	is?
A. free electrons	A. oxidation
B. ions	B. reduction
C. metals	C. oxidation-reduction
D. electrodes	D. depends on the nature of the coupled
	electrode
Reaction at anode is called?	
	The element that act as anode always have
A. oxidation	position in electrochemical
B. reduction	cell?
· · · · · · · · · · · · · · · · · · ·	

A. higher	A. 0.76
B. lower	B0.76
C. in middle	C0.55
D. no effect of position	D. 0.55
Greater value of standard reduction potential greater will be tendency?	Coordination number of the transition element in [Pt Cl NO2 (NH3)4]2-
greater win we tendency	is?
A. to get oxidized	~v
B. to get reduced	A. 2
C. to accept electrons	B. 6
D. both B and C	C. 4
D. both B and C	D. 8
Secondary cell is?	<b>D</b> . 0
•	The oxidation number of central metal atom in
A. rechargeable	[Ni(CO)4] is?
B. non rechargeable	- , , , -
C. electrolytic cell	A. 0
D. Daniel cell	B. 2
D. Damer con	C. 4
Density of H2SO4 in lead accumulator	D. 6
is?	D. 0
•	Group VIB of transition elements
A. 1.25g/cm3	contains ?
B. 1.3g/cm3	contains
C. 1.20g/cm3	A. Zn Cd Hg
D. 1.15g/cm3	B. Fe Ru Os
D. 1.13g/clii3	C. Cr Mo W
In alkalina bottom: the anada is made un	D. Mn Te Re
In alkaline battery the anode is made up	D. Will Te Re
of?	The learning in which don't enhitely and in the
A M 02	The leements in which d or f orbitals are in the
A. MnO2	process of completion
B. Zn	are?
C. AgO2	
D. cadmium	A. outer transition elements
	B. inner transition elements
Apparent charge on atom in molecule	C. typical transition elements
is?	D. transition elements
A. valency	The melting points and boiling points upto
B. coordination number	meddle of 3d- series?
C. oxidation number	mediate of our series
D. charge number	A. increases
D. Charge humber	B. decreases
In K2Cr2O7 the oxidation number of	C. remain same
chromium is?	D. no regular trend
A. 7	Pure metal ?
B. 6	<del></del> -
C7	A. corrode slowly
D6	B. corrode rapidly
<b>D.</b> 0	C. does not corrode easily
The reduction potential Zn	D. none of these
is?	D. Holle of these
103	

44	
The correct electronic configuration of Cr	MCQs in Chemistry C. hybridization of central metal
is?	D. All of above
A. [Ar]4s23d4	In pig iron the concentration of C-atom is
B. [Ar] 4s23d4	?
C. [Ar]4s03d5	
D. [Ar]4s13d5	A. 0.12 — 0.25%
	B. 2.5 — 4.5%
The oxidation state of transition elements is	C. 2.0 — 4.0%
usually?	D. 0.25 — 2.5%
A. variable	With impurities like P and S the open hearth
B. constant	furnace is lined with?
C. single	
D. infinite	A. SiO2
	B. Fe2O3
Non-stoichiometric compounds of transition	C. FeO
elements are called?	D. CaO MgO
A. hydrates	Which is sold as fertilizer
B. hydrides	?
C. binary compounds	
D. interstitial compounds	A. CaSiO3
1	B. Na2SiO3
The specie which donates electrons to central	C. Ca3(PO4)2
metal atom in coordination sphere is	D. MnSiO3
called ?	
Free o	When an active metal like Al comes in contact
A. anion	with less active element like Cu then it
B. cation	produces?
C. Ligand is positively charged	
D. acid	A. dry cell
	B. galvanic cell
Which of the following can form a	C. electrolytic cell
chealate?	D. A and B
A. ammine	Which of the following is typical transition
B. oxalato	metal?
C. carbonyl	
D. cyano	A. Sc
	B. Y
The compound or complex ion which has a ring	C. Cd
in its structure?	D. Co
A. polydentate ligand	K2 (Cu(CN)4) which one is
B. chelate	correct?
C. monodentate ligand	
D. hydrate	A. Potassium tetra cyano cupperate
	B. Co-ordination number is 2
Geometry of the complex compounds usually	C. Ligand is positively charged
depends upon?	D. Central atom is present in avionic sphere

The location of transition elements is in

between\_\_\_\_\_?

A. type of ligandsB. types of hybridization in the elements of ligands

A. lanthanides & actinides  B. s and p block elements  C. chalcogens and halogens  D. d and f block elements	When the central atom of coordination compound is sp3d2 hybridization the expected geometry will be?
	A. tetrahedral
Compounds attracted by applied strong	B. square planar
magnetic field are called?	C. trigonal bipyramidal
magnetic nera are canca	D. octahedral
A. diamagnetic	2. octanourui
B. paramagnetic	In the production of wrought iron Mg Si and P
•	_
C. good conductor	are removed in the form
D. ferromagnetic	of?
When light is exposed to transition element	A. oxides
then electrons jump from lower orbitals to	B. silicates
higher orbitals in?	C. slag
	D. carbonates
A. orbitals of f-subshell	
B. orbitals of d-subshell	Any process of chemical decay of metals due to
C. orbitals of p-subshell	the action of surrounding medium is
D. both A & B	called?
D. Dom A & D	cancu
When a compound of transition alament is	A activation
When a compound of transition element is	A. activation
dissolved in a solution of salt then it	B. enameling
produces?	C. corrosion
	D. coating
A. simples ions	
B. complex ions	Polymers described as large molecules built up
C. double salts	from small repeating units
D. strong anions	called?
D. strong unions	
The species which donate two electron pairs in	A. Biopolymers
<u>-</u>	B. Dimers
a coordination compound is	
called?	C. Monomers
	D. metamers
A. ligand	
B. mono-dentate ligand	The important monomers of acryclic resins
C. poly-dentate ligand	is?
D. bi-dentate ligand	
	A. Vinyl chloride
The central atom along with ligands is	B. Styrene
called?	C. Methylmethacrylate
•	D. Hexamethylenediamine
A complex ion	D. Hexamethylenediamme
A. complex ion	Industrial metarials and thermal news
B. coordination sphere	Industrial materials and thermal power
C. ligand	stations are coated
D. complex compound	with?
In complex compounds the oxidation number is	A. Polyester resins
written in?	B. Epoxy paints
	C. Polyamide resins
A. English	D. Polyvinyl chloride
B. Greek	·
C. Roman numeral	Common example of carbohydrates
D. Hebrew	are?

A. Cellulose glycogen galactose	Saponification is the hydrolysis of fat or oil
B. Glyceraldehydes glucose peptone	with an?
C. Glycerol phospho lipids collagen	
D. Legumin amylopectin albumin	A. Acid
	B. Alkali
Hydrolysis of an oligosaccharide in the	C. Enzyme and alkali
presence of acid yields?	D. Enzyme and acid
A. one monosaccharide unit	<b>Enzymes from the same organism which</b>
B. No monosaccharide unit	catalyze same reaction but are chemically and
C. 2-9 monosaccharide unit	physically distinct from each other are
D. many monosaccharide	called?
The process of polymerization was classified	A. Oxidoreductases
by?	B. Hydrolases
•	C. Isoenzymes
A. Strecker	D. Isomerases
B. Sabatier	
C. Runge	<b>Enzyme proved useful in cancer treatment</b>
D. W. H. Carothers	is?
Protein attached to some non protein group is	A. Lactic dehydrogenase
called?	B. Alkaline phosphatase
	C. L-asparaginase
A. Derived protein	D. Cellulase
B. Sample protein	
C. Proteoses	Nucleic acids were first demonstrated
D. Conjugated protein Free of	inost ?
Lipids are soluble in?	A. Pus cells
	B. Sperm heads
A. Organic solvents	C. 1872
B. Organic and inorganic solvents	D. all of the above
C. Inorganic solvents	
D. Solubility has nothing to do with lipids	The mechanism by which the genetic
	information can be duplicated is
Animal and vegetable fats	called?
are?	
·	A. Duplication
A. Glycerols	B. Transcription
B. Fatty acids	C. Replication
C. Triesters formed from glycerol and fatty	D. Mutation
acids	211111111111111111111111111111111111111
D. Tetraesters formed from glycerol and fatty	The nitrogenous base different in RNA as
acids	compared to DNA is?
Triglycerides are easily hydrolyzed by enzymes	A. Cytosine
called?	B. Thymine
	C. Adenine
A. Lyases	D. Guanine
B. Ligases	
C. Lipases	A polymer in which three different monomers
D. Hydrolases	combine called?

A C 1	MCQs in Chemistry
A. Copolymer	Animal fats are located particularly
B. Terpolymer	in?
C. Homopolymer	
D. Biopolymer	A. Skeleton tissues
	B. Cardiac tissues
Polyester resins are the product of the reaction	C. Connective tissues
of?	D. Adipose tissues
A. Dihydric alcohol and dicarboxylic aromatic	Lipopolysaccharides are examples
acids	of?
B. Polyamines with aliphatic dicarboxylic acids	<del></del>
C. Styrene in the presence of catalyst	A. Derived lipids
D. Epichlorohydrin with diphenylol propane	B. Simple lipids
_ ·	C. Compound lipids
Carbohydrates are polyhydroxy compounds	D. Not a type of lipids
of?	B. Not a type of lipids
A. Change	Orgosterol is?
A. Glucose	1 16 1
B. Glyceraldehydes	A. Orgocalciferol
C. Oligosaccharides	B. Vitamin D2
D. Aldehydes and ketones	C. Sterol
	D. all of the above
Nylon is obtained by	
heating?	Enzynies that catalyze the transfer of groups
	within molecule are called
A. Acrylic acid	
B. Epichlorohydrin	A. Isomerases
C. Vinyl chloride	B. Lyases
D. Adipic acid with hexamethylene diamine	C. Transferases
	D. Ligases
Amylose is?	
	Rate of enzymatic reaction is directly
A. Soluble in water	proportional to the concentration
B. Insoluble in water	of?
C. Soluble in alcohol	
D. Partially soluble in alcohol	A. Enzyme
·	B. Substrate
All proteins yield upon complete	C. Enzyme and substrate
hydrolysis?	D. Enzyme and product
	, ,
A. Nitrogen	Purines and pyrimidines
B. Amino acids	are?
C. Carbon and hydrogen	
D. Sulphur	A. Enzymes
•	B. Nitrogenous bases
Regular coiling or zigzagging of polypeptide	C. Carbohydrates
through hydrogen bonding is	D. Lipids
its?	D. Elpido
•	Nucleic acids direct the synthesis
A. Quantum structure	of?
B. Secondary structure	•
C. Tertiary structure	A. Glucose
D. Primary structure	B. Triglycerides
D. I Illiary Structure	
	C. Proteins
	D. All

The fertility of the soil is improved by?	How many zones through which the charge passes in a rotary kiln?
A. Rotation of the crops	A. 4
B. Adding lime to the acid salts	B. 3
C. Adding manure and growing legumes	C. 2
D. All	D. 5
The fertilizers which provide single nutrient from NPK are called fertilizer?	Which one of the following set of raw material is most suitable for manufacture of urea?
A. straight	A. CH4 N2 and CO2
B. compound	B. H2 N2 and CO
C. both a and b	C. H2 CO2 and H2O
D. none of the above	D. H2O N2 and H2
Addition of urea to the soil is reaction?	The percentage of nitrogen in urea is?
A. endothermic	A. 36%
B. exothermic	B. 46%
C. both a and b	C. 56%
D. no heat energy is involved	D. 66%
The cooling of molten urea by air in the tower is called?	Which one of the following fertilizers provides the nitrogen and phosphorus to the plant?
A. prilling Free of	A. urea
B. evaporation	B. calcium superphosphate
C. condensation	C. diammonium phosphate
D. crystallization	D. potassium nitrate
DAP (Diammonium hydrogen phosphate) contains plant nutrients?	Cement is a mixture of?
-	A. clay and clinker
A. 60%	B. clay lime stone and gypsum
B. 65%	C. lime stone and gypsum
C. 70%	D. lime stone and clay
D. 75%	
Calcarious material includes?	Cement is a mixture of so many compounds roasted in rotary kiln. Which substances has greater percentage?
A. lime stone	A. Lime (CaO)
B. marble	B. Silica (SiO2)
C. chalk	C. Alumina (Al2O3)
D. all of the above	D. Magnesia (MgO)
Which of the following processes is used for the synthesis of cement ?	Which sequence of steps is correct for the manufacture of cement ?
A. dry process	A. crushing heating mixing grinding
B. wet process	B. crushing mixing heating grinding and mixing
C. both	C. crushing grinding mixing heating
D. none	D. mixing heating grinding crushing

The composition of mixture of clay and lime	A. KCI
stone in the raw for cement material is	B. KNO3
?	C. K2SO4
	D. KMnO4
A. 75% lime stone and 25% clay	
B. 25% lime stone and 75% clay	Argillaceous material does not
C. 15% lime stone and 55% clay	include?
D. 55% lime stone and 15% clay	
	A. vlay
The important function of burning zone in the	B. marine shells
rotary kilm is?	C. slate
	D. blast furnace slag
A. to dry the moisture of slurry	_ ,
B. to decompose lime stone to unslaked lime	The nutrients which are required in very small
C. combination of different oxides like CaO	amount for the normal growth of plants are
SiO2 Fe2O3 and Al2O3	called?
D. to reduce the impurities	
Ditto reduce the impartites	A. nitrogenous fertilizers
Which of the following is incorrect statement	B. micronutrients
about nitrogen importance?	C. phosphorus fertilizer
about introgen importance.	D. all of the above
A. It enhances plant growth	D. all of the above
B. It is involved in the synthesis of protein and	Which one of the following is an inorganic
nucleic acids	fertilizer?
C. it accelerates fruits and flowers growth	ici mizer .
D. It is involved in the chlorophyll synthesis	A. manure
D. It is involved in the emotophyn synthesis	B. urea
Which of the following is macronutrient?	C. ammonium nitrate
when of the following is macronatricity. Her of	D. All
A. Cu	D. 7 III
B. Cl	The potassium present in plant help the plant
C. H	to?
D. Zn	
2. Zn	A. form starch sugar and fibrous material
Which of the following is the most suitable	B. ripen the seeds and fruits
catalyst for ammonia synthesis?	C. increase the resistance against disease
cutally striction and striction to	D. all the above statements are correct
A. Pt	
B. ZnO + Cr2O3	What is clinker?
C. Fe in fused mixture of Al2O3 + SiQ2 + MgO	THE IS CHARGE T
D. All of the above	A. roasted calcareous material
D. Thi of the doore	B. roasted argillaceous material
Which of the following fertilizers is not useful	C. roasted calcareous and argillaceous material
for paddy rice?	D. roasted gypsum
for paddy fice.	D. Tousted gypsum
A. urea	Phosphorus helps in the growth
B. DAP	of?
C. Ammonium sulphate	•
D. Ammonium nitrate	A. root
D. Alimionum intrace	B. leave
Which of the following potassium fertilizers are	C. stem
more useful for horticultural crops tobacco &	D. seed
potatoes?	21,000
Francos .	Which one of the following raw material is not
	present in the cement?

A. lime stone	Rate of disappearance of reactant is equal
B. gypsum	to?
C. KNO3	
D. iron oxide	A. Rate of reaction
	B. Rate of formation of product
The sequence of zones in the rotary kiln are	C. Energy released during reaction
as?	D. A and B
A. dry zone burning zone decomposition zone	For 3rd order reaction the hhalf life is inversely
cooling zone	proportional to initial concentration of
B. cooling zone burning zone decomposition zone dry zone	reactants?
C. burning zone cooling zone decomposition zone	A. Single
D. dry zone decomposition zone burning zone	B. Square
cooling zone	C. Cube
	D. Raise to power four
The rate of reaction?	•
	Radiations are absorbed in?
A. Increases as the reaction proceeds	
B. Decreases as the reaction proceeds	A. Spectrophotometer method
C. Remains the same as the reaction proceeds	B. Dilatometric method
D. May decrease or increase as the reaction	C. Optical relation method
proceeds	D. Refractometric method
The specific rate constant of a first order	Energy of reactant higher than energy of
reaction depends on the?	product favours A.
	Endothermic?
A. Time  R. Concentration of the reactant	ot Cost
B. Concentration of the reactant	B. Exothermic
C. Temperature	C. Moderate reaction
D. Concentration of the product	D. No reaction
The value of activation energy is primarily	Which of the following will have very high rate
determined by?	of reaction ?
A. Temperature	A. Double decomposition reaction
B. Effective collision	B. Neutralization reaction
C. Concentration of reactants	C. Ionic reactions
D. Chemical nature of reactants and products	D. all of above
Spontaneous reactions are?	Anything which increases rate of reaction without being involved in the
A. Moderate	reaction?
B. Slow	
C. Fast	A. Promoter
D. not natural	B. Catalyst
	C. Inhibitor
Unit of rate of reaction is?	D. All of the above
A. Moles dm-3 sec-1	When catalysts and reactants are in more than
B. Moles dm-3	one phase it is?
C. Moles sec-1	<u>.</u>
D. Mol-1 dm3 sec-1	A. Homogeneous catalysis
	B. Heterogeneous catalysis
	<b>a</b>

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C. Catalania	MCQs in Chemistry
C. Catalysis	A. $2N2O5 = 2N2O4 + O3$
D. Ea	B. NO + O3 ? NO2 + O2
Biocatalytical proteins are ?	C. 2FeCl3 + 6KI ? 2FeI2 + 6KCl + I2 D. None of these
Biocatalytical proteins are?	D. None of these
A. Enzymes	The addition of a catalyst to the reaction
B. Substrate	system?
C. Lipids	
D. any of above	A. Increases the rate of forward reaction only
D. any or above	B. Increases the rate of reverse reaction
An enzyme has its specificity due	C. Increases the rate of forward but decreases the
- · · · · · · · · · · · · · · · · · · ·	rate of backward reaction
to?	
A G 1	D. Increases the rate of forward as well as
A. Substrate	backward reaction equally
B. Structure	
C. Temperature	On increasing the temperature the rate of
D. Pressure	reaction increases mainly
	because?
A substance which increases the reactivity of	
enzyme is called?	A. The activation energy of the reaction increases
•	B. Concentration of the reacting molecules
A. Promoters	increases
B. Inhibitors	C. Collision frequency increases
C. Stimulators	D. None of these
D. Non-activators	271,0110 01 111000
D. I ton activators	Sum of exponents of molar concentration is
When the reaction completes in more than one	called?
steps rate of reaction will be determined	LOSI
by?	A. Order of reaction
A 77	B. Molecularity
A. Fast step	C. Rate of reaction
B. Slowest step	D. Average of reaction
C. All steps	
D. Molecularity of the reaction	In rate expression the concentration of
	reactants is negative. It
Energy of activation for backward reaction is	shows?
less than forward reaction for	
reactio?	A. Concentration of reactant does not change
	B. Concentration of product increases
A. Endothermic	C. Concentration of reactant decreases
B. Exothermic	D. Concentration of reactant increases
C. Moderate	
D. Fast	When a graph is plotted between 1/T on X-axis
D. I dot	and log k on y-axis a straight line is obtained
Which statement is incorrect about	
Which statement is incorrect about	with a negative slope which has two end
catalyst?	in?
A 22.1	A T 11T 1 .
A. it is used in smaller amount	A. I and II quadrant
B. decrease activation energy	B. II and III quadrant
C. specific in action	C. III and IV quadrant
D. it affects specific rate constant	D. II and IV quadrant
Which of the following terms of many in 2 2 2	Rate of reaction when concentration of
Which of the following type of reaction is 3rd	
order reaction?	reactants are taken as unity is
	called?

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	wods in chemistry
A. Arrhenius constant	A. Products
B. Molecularity	B. Chemical equilibrium
C. Specific rate constant	C. Reactants
D. Ideal rate constant	D. both A & B
Which order of reaction obeys the relation t1/2	Co-enzymes are?
= 1/Ka?	
	A. Non proteineous
A. First order	B. Proteineous
B. Second order	C. sugars
C. Third order	D. lipids
D. Zero order	
	End name of enzyme is?
Activated complex is formed due	
to?	A. yl
	B. ase
A. Pressure	C. one
B. Effective collision	D. al
C. Ineffective collisions	
D. Temperature	For determining the order of reaction we
2. Temperature	use?
<b>Energy required to form transition state is</b>	•
called?	A. Refractometric method
	B. Dilatometric method
A. Ea	C. Optical activity method
B. P.E	D. Half life method
C. V	D. Han me memou
	Flaments in the same vertical group of the
D. K.E.	Elements in the same vertical group of the periodic table have same?
Greater the conc. Of	periodic table have same:
reactant ?	A. Number of valence electrons
reactant;	
A Creator will be dre/dt	B. Atomic number
A. Greater will be dx/dt	C. Atomic mass
B. Lesser will be dx/dt	D. Atomic volume
C. dx/dt will be moderate	
D. any of above	Which set of elements is listed in order of
	increasing ionization energy?
The substances that reduces the effectiveness of	
a catalyst are called?	A. Sb < As < S < P < Cl
	B. Cl < Sb < P < As < S
A. Promoters	C. As < Cl < P < S < Sb
B. Poisoning catalysts	D. Sb < As < Cl < S < P
C. Inhibitors	
D. pro-catalysts	Which of the p-block elements are not
	representative elements?
Each catalyst has?	
	A. Alkali metals (I-A)
A. Specificity	B. Group-14 elements (IV-A)
B. Special structure	C. Group-18 elements (VIII-A)
C. Its own Ea	D. Halogens (VII-A)
D. all of above	
	Which of the following will not form crystalline
A catalyst can not effect?	structure with opporitely charged
D. all of above	Which of the following will not form cry

A. H+	Best position of hydrogen in the periodic table
B. H-	is above I.A Group which is mainly due
C. Mg2+	to?
D. Ca2+	
	A. Both are electropositive
Periodic table provides a basic framework to	B. Similar outer most shell electronic
study elements with respect to	configuration
their?	C. Both form ionic compounds
•	D. All
A. Physical properties	D. 1111
· · · ·	Which one of the following sets consists of all
B. Chemical properties	Which one of the following sets consists of all
C. Properties of their compounds	coinage metals ?
D. All	
	A. Cu Hg Au
Concept of Triads was introduced	B. Cu Ag Au
by?	C. Ag Au Hg
	D. Cu Fe Au
A. Dobereiner	
B. Newland	Which of the p-block elements are not
C. Mendeleev	representative elements ?
D. Al-Razi	<b>F</b>
	A. Alkali metals (I-A)
<b>Elements with similar chemical properties</b>	B. Group-14 elements (IV-A)
appear in the?	C. Group-18 elements (VIII-A)
appear in the:	•
	D. Halogens (VII-A)
A. Same family	
B. Same period	Which of the following will not form crystalline
C. p block elements Free of	structure with opporitely charged ions?
D. Right upper corner	ions?
In modern periodic table all the leements are	A. H+
arranged in ascending order	B. H-
e e	
of?	C. Mg2+
	D. Ca2+
A. Valency	
B. Atomic mass	Periodic table provides a basic framework to
C. Atomic number	study elements with respect to
D. Valence electrons	their?
Innov two neition alaments are called	A Dhysical manageries
Inner transition elements are called	A. Physical properties
<b>?</b>	B. Chemical properties
	C. Properties of their compounds
A. Lanthanides	D. All
B. Actinides	
C. Rare earth metals	Concept of Triads was introduced
D. All	by?
Non-motals usually form	A Dobovojnov
Non-metals usually form	A. Dobereiner
oxides?	B. Newland
	C. Mendeleev
A. Acidic	D. Al-Razi
B. Amphoteric	
C. Neutral	Elements with similar chemical properties
D. All of the above	appear in the?

	MCQs in Chemistry
A. Same family	C. The formula of its oxide
B. Same period	D. Its number of isotopes
C. p block elements	-
D. Right upper corner	The atomic radii decreases by increasing
	atomic number in?
In modern periodic table all the leements are	
arranged in ascending order	A. Alkali metal
of?	B. Alkaline earth metal
	C. Elements from Li to Ne
A. Valency	D. Halogens
B. Atomic mass	
C. Atomic number	An element has electronic conviguration 1s2
D. Valence electrons	2s2 2p2. It belongs to?
Inner transition elements are called	A. Group II-A
?	B. Group IV-A
	C. Group VII-A
A. Lanthanides	D. Group VI-A
B. Actinides	1
C. Rare earth metals	Which of the following ion is stable in aqueous
D. All	solution?
Non-metals usually form	A. H+
oxides?	B. H-
	C. Cl-
A. Acidic	D. All are stable
B. Amphoteric	2.7 m are smore
C. Neutral	The atoms of same element having same atomic
D. All of the above	number but different mass number are
D. Thi of the thore	called ?
Best position of hydrogen in the periodic table	·
is above I.A Group which is mainly due	A. Isobars
to?	B. Isomers
	C. Isotopes
A. Both are electropositive	D. Isotropes
B. Similar outer most shell electronic	D. Isotropes
configuration	Which order of ionization energy is
C. Both form ionic compounds	correct ?
D. All	correct;
D. All	A. Mg P
Which one of the following sets consists of all	C. Mg > A1
coinage metals?	D. both B & C
comage metals.	D. both B & C
A. Cu Hg Au	Shielding effect across the
B. Cu Ag Au	period?
C. Ag Au Hg	
D. Cu Fe Au	A. Increases
D. Cu 10/1u	B. Decreases
Many properties of an element and its	C. Can not be predicted
compounds can be predicted from the position	D. Remains constant
	D. Acmanis Constant
of the element in the periodic table. What	Higher value of electron offinite
property could not be predicted in this way?	Higher value of electron affinity
A. The nature of its oxides	means?
B. The charge on its ions	
D. The charge on its folls	

A. Atom will lose electron easily	Which of the following always increases on
B. Atom will gain electron easily C. Atom may form di-positive ion	going from top to bottom in a group?
D. The reason is unknown	A. Metallic character
D. The reason is unknown	B. Electronegativity
Melting points of VII-A group elements down	C. Oxidizing power
the group?	D. Tendency to get reduced
ene group	D. Tendency to get reduced
A. Increase	Among halogens the highest boiling point is
B. Decrease	of?
C. Remain constant	
D. No regular trend	A. Flrorine
	B. Chlorine
Which of the following possesses maximum	C. Bromine
hydration energy ?	D. Iodine
A. Na+	The scientist who did not contribute in the
В. К+	construction of periodic table ?
C. Mg+2	construction of periodic table:
D. Ca+2	A. Al-Razi
D. Ca⊤2	B. Moseley
True increasing order of acidity of the oxides of	C. Dobereiner
Mn is ?	D. Democritus
iviii is:	D. Democritus
A. MnO < MnO2 < Mn2O7	Which element was not known when
B. Mn2O7 > MnO2 > MnO	Mendeleev proposed his classification?
C. MnO2 > MnO > Mn2O7	• •
D. $MnO2 > Mn2O7 > MnO$	A. Hydrogen
	B. Sodium
Which one of the following element has highest	C. Copper
oxidation state in its compounds?	D. Germanium
A. Cr	Noble gases are named so because they
B. Mn	are?
C. Sn	
D. 0	A. less reactive
	B. Zero group elements
Which of the following cannot exist in	C. Having completely filled valence shell
solution?	D. All
A. O-2	The longest period in the modern periodic table
B. H+	
C. Cl-	is?
D. Na+	A. 6th
D. Na+	B. 7th
An element having low value of ionization	C. 2nd and 3rd both
energy and low value of electron affinity is	D. 5th
likely to belong to?	D. 3til
inkery to belong to:	Savanth nariad contains
A. Group IA	Seventh period contains normal elements ?
B. Group IB	normal ciclicity;
C. Group VIIA	A. 2
D. Group VIII	B. 4
D. Gloup vin	B. 4 C. 6
	D. 8
	<b>D</b> . 0

Modern periodic table has been divided in **Deuterium reacts with oxygen to** blocks? form A. 2 A. Hard water **B.** 4 B. Heavy water C. 8 C. Soft water D. 7 D. Water gas Amphoteric exides are those which possess **Ionization energy depends** upon\_\_\_\_\_ \_\_\_\_\_ properties? A. Acidic A. Nuclear charge B. Basic B. Atomic size C. Acidic and basic C. Shielding effect D. Neutral and acidic D. I.E depends upon all of the above and nature of orbital Hydrogen resembles with carbon because of having ? Addition of 2nd electron to a uni negative ion is always\_\_\_\_\_ A. Same number of electrons in the valence shell B. Similar physical state A. Exothermic C. Remarkable reducing properties **B.** Endothermic D. Homovalent (show same valency) C. Data is insufficient D. Unpredictable In which of the following pairs are elements belonging to the same group? Metallic characters of alkali metals\_\_\_\_\_ Free of A. Boron & Beryllium A. Increase down the group **B.** Nitrogen & Phosphorous C. Magnesium & Aluminium B. Decrease down the group D. Gallium & Helium C. No regular trend D. Remain same Which one of the following is not a periodic property? Oxidation state of an atom represents\_\_\_\_\_ A. Melting point of elements B. Boiling point of elements A. Number of electrons gained C. Ionization energy of elements B. Number of electrons lost D. Coordination number of ions C. Apparent charge in compound D. Its vacancies Which discovery caused a revision in the periodic law as stated by Mendeleev? Halides in which halogen atoms act as a bridge between two atoms of the other element are called\_\_\_\_\_ ? A. Location of nucleus by Rutherford **B.** Atomic number by Moseley C. X-rays by Roentgen A. Covalent halides D. Natural radioactivity by Henry Bacquerel. B. Electronegative halides C. Polymeric halides D. Polymeric hydrides The property which increases upto group IV-A then decreases on wards\_\_\_\_\_ Iodine is solid due to\_\_\_\_\_ A. Ionization energy B. Atomic radii A. Strong covalent bond C. Melting & boiling points B. Large value of dipole moment

D. Atomic volume

C. High polarizability	A. phthalic acid
D. Strong hydrogen bonding	B. carbolic acid
	C. Maleic acid
Keeping in view the size of atom which order is	D. Succinic acid
correct one?	
	The test which is used for the identification of
A. $Mg > Sr$	amino-acids is?
B. $Ba > Mg$	
C. Lu > Ce	A. Ninhydrin test
D. C1 > I	B. Molisch test
	C. Biuretic test
When – COOH is attached directly to the	D. Benedict test
benzene ring the acid is	
called?	Carboxylic acid reacts with ammonia to form
	ammonium salts which on heating
A. Aliphatic	produces?
B. Alicyclic	
C. Carboxylic	A. CO2
D. Aromatic	B. Alkane
Di III dilluite	C. Ester
The common thing in phthalic acid and oxalic	D. Acidamide
acid is that both are?	D. McIuamiuc
acia is that both arc	The complete reduction carboxylic acid results
A. Aromatic	in the formation of?
B. Dicarboxylic	in the formation or
C. Hydrocarbons	A. Alkyne
D. Strong acids	B. Alkene
Free of	C. Alkane
The acid which is used as ink remover	D. Alcohol
is?	D. Alcohol
•	Picric acid is?
A. Oxalic acid	·
B. Succinic acid	A. monocarboxylc acid
C. Adipic acid	B. dicarboxylic acid
D. Acetic acid	C. aromatic carboxylic acid
D. Accur acid	D. none of these
Which acid is the manufacture of synthetic	D. Hone of these
rubber?	Essential amino acids
Tubbet:	
A. Acetic acid	are?
B. Formic acid	A. 5
C. Carbonic acid	B. 10
D. Benzoic acid	C. 15
D. Delizoic acid	D. 20
In the formation of Twitten ions nucton sees	D. 20
In the formation of Zwitter ions proton goes from ?	Which of the following is not a fatty acid ?
from?	Which of the following is not a fatty acid?
A Composed to oming arrange	A Duamanaia aaid
A. Carboxyl to amino group	A. Propanoic acid
B. Amino to carboxyl group	B. Acetic acid
C. Amino group only	C. Phthalic acid
D. Carboxyl group only	D. Butanoic acid
The second and that he could be COOM	
The organic acid that does not has COOH	The basic hydrolysis of ethyl acetate
group is?	produces?

A. ethanol B. acetic acid	A. Water  B. Formic acid
C. ethanol and acetic acid	C. Acetic acid
D. ethanol and sodium acetate	D. Propanoic acid
Which of the following is not an ester?	Acidic amino acids have?
	A. 2 amino groups and 1 carboxylic group
A. amyl acetate	B. 1 amino and 1 carboxylic groups
B. sodium butyrate	C. 2 carboxylic groups and 1 amino group
C. isobutyle formate	D. 2 amino and 2 carboxylic groups
D. octyl acetate	, , ,
·	The term internal salt refers
Which of the following has orange	to?
flavour?	
	A. Acidic character of amino acids
A. isobutyl formate	B. Basic character of amino acids
B. octyl acetate	C. Dipolar character of amino acids
C. ethyl butyrate	D. Non-polar structure of amino acids
D. amyl lactate	•
·	Which one of the following acids is present in
Amino acids present in	lemon juice ?
cheese?	v
	A. Citric acid
A. lysine	B. Benzoic acid
B. alanine	C. Tartaric acid
C. tyrosine	D. Oxalic acid
D. proline Free of	Cost
110001	Which one of following amino acid is neither
Which of the following is an unsaturated	acidic nor a basic in nature ?
carboxylic acid?	
	A. Lysine
A. malonic acid	B. Histidine
B. oxalic acid	C. Proline
C. succinic acid	D. Glutamic acid
D. maleic acid	
	Glycine is the name of an amino acid
The common name of propane 1 3-dioic	because?
is?	
	A. Sweet taste
A. Oxalic acid	B. Bitter taste
B. Aromatic acid	C. Shining appearance
C. Malonic acid	D. Green colour
D. Fumaric acid	
	The organic acid that can be made from
The irritation caused by red ants bite is due	ethanol is?
to?	
	A. Acetic acid
A. Lactic acid	B. Formic acid
B. Formic acid	C. Butanoic acid
C. Uric acid	D. Citric acid
D. Acetic acid	
	The formula of palmitic
Which of the following is the strongest acid?	acid?

A. C15H31COOH	Which of the following substances does not give
В. С13Н27СООН	iodoform test ?
C. C17H33COOH	
D. C17H35COOH	A. acetaldehyde
<i>D.</i> 0171133 00 011	B. ethyl alcohol
The aliphatic monocarboxylic acids are	C. methyl alcohol
<u>.</u>	D. acetone
obtained by the hydrolysis	D. acetone
of?	
	Which of the following aldehydes shows rapid
A. proteins and oild	reaction with sodium nitroprusside?
B. fats and proteins	
C. fats and oils	A. formaldehyde
D. all above	B. accetaldehyde
	C. benzaldehyde
An acid with unpleasant	D. acetone
smell ?	
	Which of the following reaction is not shown by
A. formic acid	ketones?
B. acetic acid	Returnes.
	A magation with HCN
C. propionic acid	A. reaction with HCN
D. butyric acid	B. reaction with NaHSO3
	C. reaction with 2 4 dinitrophenyl hydrazine
Carboxylic acid on reduction with HI /	D. reaction with Fehling solution
phosphorous yields?	
	Which of the following substances does not give
A. alkane	iodoform test ?
B. alcohols	
C. aldehydes	A. acetaldehyde
D. ketones	B. ethyl alcohol
	C. methyl alcohol
The reaction of carboxylic acids with alcohols	D. acetone
in presence of cone. H2SO4 is called	D. dectone
?	Which of the following compounds will react
•	~ <u>-</u>
Α	with Tollens reagent?
A. esterification	A COVID COVID
B. neutralization	А. СН3-СНО
C. hydrolysis	B. CH3-CH-CH3
D. saponification	C. CH3-COOH
	D. CH3-CO-CH2-CH3
Which of the following is not an amino	
acids?	Cannizzaros reaction is not given
	by?
A. glumatic acid	<b>/</b>
B. lactic acid	A. formaldehyde
C. aspartic acids	B. acetaldehyde
D. glycine	C. benzaldehyde
D. grychie	•
XX/L:_L _64L _6-11'	D. trimethyl acetaldehyde
Which of the following reaction is not shown by	<b>47</b> /
ketones?	Ketones are comparatively less reactive than
	aldehdye. It is due to?
A. reaction with HCN	
B. reaction with NaHSO3	A. alkyl groups are electron donating
C. reaction with 2 4 dinitrophenyl hydrazine	B. steric hindrance
D. reaction with Fehling solution	C. Both A and B
O	D. none

Which of the following is not a use of	C. Both A and B
formaldehyde?	D. None
A. in silvery mirror	Acetal on acid hydrolysis
B. in making medicine urotropine	generates?
•	generates
C. in making throat lozenges	A A1 1 1
D. in making acetic acid	A. Alcohol
	B. Ketone
Which of the following is not a use of	C. Both A & B
acetaldehyde?	D. None of the above
A. formation of phenolic resins	Tetrahydroborate ion is the source
B. formation of mirror	of?
C. antiseptic inhalant	•
D. formation of throat lozenges	A proton
D. formation of throat lozenges	A. proton
	B. H+
Formaldehyde condenses with phenol in the	C. both A & amp; B
presence of dilute H2SO4 to	D. H-
yield?	Dry distillation of calcium acceptate regults in the
A Nulsu CC	Dry distillation of calcium acetate results in the
A. Nylon 66	formation of?
B. urotropine	
C. Aniline formaldehyde plastic	A. formaldehyde
D. Bakelite	B. acetaldehyde
	C. methane
Which of the following will not give addition	D. acetone
reaction with NaHSO3?	
Free of	Cannizaros reaction takes place through the
A. HCHO	transfer of from
B. CH3CHO	complex anion?
C. CH3-CH2-CHO	complex amon:
D. None of the above	A bydrogon ion
D. None of the above	A. hydrogen ion
	B. hydride ion
Which of the following compounds has the	C. oxide ion
empirical formula CH2O and reacts with	D. methoxide ion
sodium hydroxide ?	
	Iodoform test can be used to distinguish
A. carbonic acid	between?
B. ethanol	
C. acetic acid	A. ethanol and methanol
D. methanoic acid	B. acetaldehyde and methanal
D. memanoic acid	
	C. acetone and diethyl ketone
Oxidation of primary alcohol	D. all of the above
gives?	
	Which of the following will have the highest
A. ketone	boiling point ?
B. Aldehyde	
C. Alkene then – COOH	A. methanol
D. Ester	B. ethanal
D. 120001	
Nalsonhilia addition resetions are	C. propanal
Ncleophilic addition reactions are	D. hexanone
catalysed?	
	The carbon atom of carbonyl group
A. Acid	is?
R Base	

	MCQs in Chemistry
A. sp hybridized	Formula of haloform is?
B. sp2 hybridized	
C. cp3 hybridized	A. HCOX
D. dsp2 hybridized	B. CX4
	C. CHX3
Formalin is solution of	D. CH3X
formaldehyde in water?	
	Formalin consists of mixture of formaldehyde
A. 10%	methyl alcohol and water Percentage of water
B. 20%	in it is?
C. 40%	
D. 60%	A. 60%
	B. 50%
Acetone reacts with HCN to form a	C. 52%
cyanohydrin. It is an example	D. 8%
of?	
	On heating aldehydes with Fehlings solution we
A. electronphilic addition	get a precipitate whose colour
B. electrophilic substitution	is?
C. nucleophilic addition	
D. nucleophilic substitution	A. pink
1	B. black
Which of the following reactions may be	C. yellow
assoclated with aldehyde and ketone?	D. brick red
associated with alacing ac and necone .	21,011011101
A. nucleophile addition	Aldehyde and ketone have same general
B. polymerization	formula for homologous
C. oxidation Free of	series?
D. all of the above	
	A. CnH2nO2n
Which of the following reagents will react with	B. CnH2n
both aldehydes and ketones?	C. CnH2nO
both didenytes and records.	D. CnH2nOn+1
A. Grignard reagent	b. chrizhon i
B. Tollens reagent	Ethanal is prepared industrially by air
C. Fehlings reagent	oxidation of ethylene using palladium chloride
D. Benedicts reagent	as catalyst and as promoter?
D. Deficulets reagent	as catalyst and as promoter.
Which of the following do not give aldol	A. PdC12
condensation reactions?	B. Cu2Cl2
condensation reactions.	C. CuCl2
A. formaldehyde	D. PbC12
B. acetaldehyde	D. 1 0C12
C. diemthyl ketone	Acetaldehyele cyanohydrin on acid hydrolysis
· · · · · · · · · · · · · · · · · · ·	
D. propionaldehyde	yields?
Formaldehyde and lactose are combined to	A. Tartaric acid
produce throat lozenges named	B. Propanoic acid
-	C. Lactic acid
as?	D. Valeric acid
A. formamint	D. Valetic aciu
B. lactomint	Which one exhibits aldol
C. aldomint	condensation?
C. aluonilli	CONGCHS&UON

D. formalactose

	MCQs in Chemistry
A. HCHO	Carbonates of lithium are not stable like that of
В. С6Н5СНО	sodium due to?
C. Cl3CCHO	<del></del>
D. CH3COCH3	A. Low electronegativity
	B. Low electropositivity
Which of the following is a symmetrical	C. Low charge density
	D. Not known yet
ketone?	D. Not known yet
A. 3 – hexanone	
B. acetone	
C. butanone	Which are of the following is not an alkali
	Which one of the following is not an alkali metal?
D. 2-pentanone	metai:
In base catalyzed reaction of carbonyl	A. Francium
compound the catalyst?	B. Caesium
·	C. Rubidium
A. increases the nucleophilic character of	D. Radium
reagent	D. Kaulum
B. increases electrophilic character of carbonyl	The element cesium bears resemblance
compound	with?
C. acidic character of reagent	· · · · · · · · · · · · · · · · · · ·
D. both a and b	A. Ca
D. Dour a and b	B. Cr
A -1	
A elements are named as alkali metals	C. Both of the above
because?	D. None of the above
A. Their oxides are basic	Downs cell is used to
B. Their oxide and hydroxides are water soluble	prepare?
C. Both A & B	
D. They are found in earth	A. Sodium carbonate
	B. Sodium bicarbonate
Formula of Chile saltpetre	C. Sodium metal
is?	D. Sodium hydroxide
A NaNO2	A managinary has managed by booting
A. NaNO3	Ammonia may be prepared by heating
B. CaCO3	ammonium chloride with?
C. Ba (NO3)2	
D. NH4Cl	A. Water
	B. NaCl
The oxides of beryllium BeO	C. Aqueous sodium hydroxide
is?	D. H2SO4
A A -1.11.	C
A. Acidic	Crystals of Na2CO3. 10H2O when exposed to
B. Basic	air?
C. Amphoteric	
D. Neutral	A. Lose water and remain solid
	B. Gain water and remain solid
Li is different from its family members due	C. Gain water and become liquid
to?	D. Remains unchanged
A 11 '	XXII
A. small size	Which one of the following gives white
B. high charge density	precipitate with aqueous solution of BaCl2?
C. less electropositivity	
D. all of the above	A. NaHCO3
	B. NaNO3

C. Na2CO3 D. Na2CrO4	C. Na2B4O7.10H2O D. CaCO3.MgCO3
D. Nazero4	D. CaCO3.MgCO3
The deliquescence is a property in which a solid?	Electrolysis of dilute solution of NaCl results at the anode?
A. Absorbs moisture and remains solid	A. sodium
B. Absorbs moisture and turns to liquid form	B. hydrogen
C. Loses water of crystallization	C. chlorine
D. Increases the number of water of crystallization	D. oxygen
In diaphragm cell level of brine in anode compartment is kept slightly higher which	Which ion will have maximum value of heat of hydration?
prevents?	
	A. A1+3
A. Hydroxide ions to reach anode	B. Cs+
B. Chlorine gas to mix	C. Ba+
C. Cathode to decay D. All of the above	D. Mg+2
	Which one is natron?
Alkali and alkaline earth metals impart colours	
when heated over burner. It is due	A. Na2CO3
to?	B. Na2CO3.10H2O
	C. Na2CO3.H2O
A. Smaller electronegativity of alkali metals B. Smaller ionic radius of these metals	D. NaHCO3
C. De-excitation of electrons from higher	Which one is least ionic in nature and
energy levels to low energy level	decompose on heating?
D. Excitation of electrons from low energy levels	decompose on neating.
to higher energy levels	A. LiOH
10 mg. 10 mg, 10 mg	B. NaOH
First ionization potential of alkaline earth	C. KOH
metal is greater than alkali metals	D. CsOH
because?	
	The word Alkali means?
A. They are more reactive	
B. They have greater atomic radii	A. Base
C. They have smaller atomic sizes	B. Basic salt
D. All	C. Ashes
	D. Spirit
NaOH is named as caustic soda	Which element is necessary for normal leaf
because?	development ?
A. It corrodes the organic tissues	A. Si
B. It is used in soda water	B. Ba
C. It reacts with chlorine gas	C. Mg
D. It reacts with fats to form soap	D. Ca
Carnalite has chemical	Nitrates of which pair of elements give
formula?	different products on thermal decomposition?
A IZCI	ANZ
A. KCI	A. Na K
B. KCI.MgCl2.6H2O	B. Mg Ca

C. Li Na	A. Lithium
D. Li Ca	B. Sodium
	C. Potassium
Which of the following sulphates is not soluble	D. Rubidium
in water?	
	Which one of the following pairs shown
A. Sodium sulphate	diagonal relationship in the periodic table ?
B. Potassium sulphate	wangoana a canacaanap ara cara p cara una cunaca c
C. Zinc sulphate	A. Sodium and Lithium
D. Barium sulphate	B. Lithium and magnesium
D. Barram Surphace	C. Lithium and beryllium
The ore CaSO4.H2O has the general	D. Boron and Beryllium
name?	D. Boron and Berymum
name	Sodium is not observed in +2 oxidation state
A. Camana	
A. Gypsum	because of its?
B. Dolomite	A 1: 1 C:
C. Calcite	A. high first ionization potential
D. Plaster of Paris	B. high second ioniation potential
	C. high ionic radius
Which one of the following substances conducts	D. high electronegativity
electricity by the movement of ions?	
	Magnesium metal does not burn in the vessel
A. Graphite	containing?
B. Copper	
C. Molten sodium chloride	A. N2
D. Mercury	B. O2
	C. N2 and O2
Which one of the following carbonate is water	D. Ne
insoluble?	COST
	Second ionization potential of alkali metals are
A. Na2CO3	very high due to?
B. K2CO3	
C. (NH4)2CO3	A. being s-block elements
D. CaCO3	B. inert gas configurations
D. CaCOS	C. ns1 electronic configuration
In dianhnam call hydrogan is discharged by	D. being metals
In diaphragm cell hydrogen is discharged by	D. being metals
the reduction of?	Which are can form complex?
A. Water	Which one can form complex ?
	A No.
B. HCI	A. Na
C. Na+	B. Cr
D. NaCl	C. Li
	D. K
Gypsum is applied to the soil as a source	
of?	Addition of 2% gypsum in
	cement?
A. Ca and P	
B. S and P	A. Triggers hydration
C. Ca and S	B. Triggers hydrolysis
D. we could not apply	C. Prevents rapid hardening
·	D. all of the above
Which one of the following alkali metals forms	
only normal oxide when it reacts with O2?	Phenanthrene is a fused polycyclic compound
•	contains benzene rings ?

1400 :	O
N/I/ '/ No Ir	1 'hamietri
1010 70 25 11	n Chemistry

A. Two	A. Cr2O3 + A2O3 + SiO2
B. Three	B. Raney nickel
C. Four	C. Organo-nickel
D. Five	D. Ni 250 – 300°C
How many electrons are there in benzene to	Which one of the following methods will not
form delocalized electron	give benzene?
cloud?	
	A. Heating sod. Salt of Benzoic acid with soda
A. 3	lime
B. 4	B. Distilling phenol with Zn dust
C. 6	C. Chlorobenzene with NaOH at 360°C &
D. 8	150atm.
	D. Hydrolysis of benzene sulphonic acid with
When benzene is substituted by halogens only	super heated steam
which one of the following halogens only which	
one of the following halogens is given the	Reacting bromine with benzene in the presence
number one position in the ring while writing	of sunlight will result in?
the name of compound ?	
	A. The rupturing of benzene ring
A. Bromine	B. Substitution reaction
B. Chlorine	C. Addition reaction
C. Fluorine	D. No-reaction
D. Iodine	
	During sulphonation of benzene H2SO4
Michael Faraday discovered benzene in the gas	generates the electrophile
which was produced by destructive distillation	Carada
of vegetable oil that is done	A. HSO4-
in?	B. SO2
A TEN	C. SO3
A. The presence of Oxygen	D. H+
B. The presence of Hydrogen	****
C. The absence of Oxygen	Which compound will readily undergo
D. The presence of excessive Oxygen	sulphonation ?
How many moles of H2 are added up when	A. Benzene
benzene is heated with hydrogen in the	B. Nitro benzene
presence of platinum?	C. Toluene
	D. Chlorobenzene
A. Two	
B. Three	Which one of the following statement is not
C. Four	correct about benzene ?
D. Six	
	A. On hydrogenation 208 KJ/mole is liberated
The resonance energy of benzene	B. C-H bond length in benzene is 1.09 A?
is?	C. Molecular mass of benzene is 78.108
	D. Resonance energy of benzene is 150.5 K
A. 150.5 kJ/mol	Cal/mole
B. 250.5 kJ/mol	
C. 150.5 Cal/mol	Replacement of hydrogen of benzene by alkyl
D. 250.5 Cal/mol	group in the presence of alkyl halide &
	aluminum chloride is known
What catalyst is employed when benzene is	as?
prepared from acetylene at 70°C?	

A. Dows process	By which method the molecular mass of
B. Friedel & Craft acylation	benzene was determined as 78.108?
C. Friedel & Craft alkylation	
D. Clemmenson reduction	A. Specific gravity method
	B. Vapour density method
Which compound form benzoic acid on	C. X-ray diffraction method
oxidation with acidified KMnO4 or K2Cr2O7?	D. Distillation methos
A. Toluene	Chlorination of toluene in the presence of
B. Ethyl benzene	sublight produces?
C. n-propyl benzene	
D. All	A. Benzyl chloride
	B. o – chlorotoluene
What is the molecular formula of	C. p – chlorotoluene
Benzenetriozonide?	D. benzoic acid
A COMODO	
A. C6H6O9	Mixture of catalysts Cr2O3 + A?2O3 + SiO2 at
B. C6H5O8	500?C are used when benzene is prepared
C. C6H5O9	from?
D. C6H6O6	
	A. acetylene
The hydrolysis of Benzenetrizonide will yield	B. N-hexane
three moles of?	C. Benzene sulphonic acid
	D. Sodium benzoate
A. Glyoxime	
B. Benzaldehyde	Which is fused cyclic aromatic compound
C. Glycol	?
D. Glyoxal Free of	Cost
110001	A. diphenyl amine
In benzene sulphonic acid the sulphonic group	B. diphenyl methane
is attached with benzene ring through	C. naphthalene
?	D. biphenyl
A. Hydrogen	Acetophenone is a?
B. Oxygen	
C. Sulphur	A. Ether
D. OH	B. Ketone
	C. Aldehyde
Aniline is a derivative of benzene which	D. Ester
contains?	
	Benzene does not
A. Imino group	undergo?
B. Amino group	
C. Amide group	A. Substitution reaction
D. Nitro group	B. Addition reaction
0 1	C. Polymerization reactions
Nitration of chlorobenzene	D. Oxidation reactions
gives?	
	Nitronium ion is?
A. o – chloronitrobenzene	
B. p – chloronitrobenzene	A. NO3
C. m – chloronitrobenzene	B. NO
D. A & B	C. NO2-
	D. NO2+

	MCQs in Chemistry
Benzene is heated in air with V2O5 at 450°C it	Aluminium oxide is?
undergoes?	A A 11 11
A C 1 de d	A. Acidic oxide
A. Substitution reaction	B. Basic oxide
B. Addition reaction	C. Amphoteric oxide D. It does not exists
C. Elimination reaction  D. Oxidation reaction	D. It does not exists
D. Oxidation reaction	Which electronic configuration corresponds to
The preparation of benzene from acetylene can	an element of group IIIA?
also be said as?	an element of group IIIA.
and be suite as	A. 1s2 2s2 2p3
A. Oxidation	B. 1s2 2s2 2p6 3s2 3p1
B. Polymerization	C. 1s2 2s2 2p4
C. Dehydration	D. 1s2 2s2 2p6 3s2 3p6 4s2 3d1
D. Condensation	
	In network of silica (SiO2) each silicon atom is
Ozonolysis of benzene	surrounded by atoms of
produces?	osygen?
A. Glycol	A. 4
B. Glyoxal	B. 2
C. Vicinal diol	C. 1
D. Both B & C	D. 6
Boron is non-netal whereas A1 is metal. It is	Orthoboric acid is 2.6% soluble in water at
due to?	40?C andat 107°C.
A. Small size	A. 26%
B. High nuclear charge	B. 27%
C. Both A and B	C. 37%
D. No authorized justification yet	D. <2.6%
One of the outstanding features of boron is its	Because of its ability to combine with both
ability to form?	oxygen and nitrogen aluminium metal is
ubility to form	used?
A. Molecular addition compounds	·
B. Molecular crystals	A. As nitrometer
C. Semiconductors	B. To remove air bubbles from molten metal
D. Ionic compounds	C. To produce alloy
1	D. As insulator
Borax is a white crystalline solid and it	
is?	Silicon differ from siliWhich of the following
	shows inert pair effect ?
A. More soluble in cold water	
B. More soluble in hot water	A. boron
C. Insoluble in water	B. carbon
D. Soluble only in organic solvents	C. silicon
	D. tin
Special features of borate glass is that it	
is?	Tincal is a mineral of?
A. Heat resistant	A. A1
B. Low melting	B. Si
C. Used to prepare chemical garden	C. B
D. Green in colour	D. C

Which one of the following is not a	C. In soda bottles
semiconductor?	D. For enamel and glazes
A. Si	Which element can form tripositive ion ?
B. Ge	which element can form tripositive ion.
C. Se	A. Beryllium
D. Sn	B. Carbon
<b>D.</b> ()II	C. Silicon
The process of aluminium extraction is	D. Aluminium
called?	D. Muhimum
· ·	Which of the following is different with respect
A. Hall process	to physical appearance?
B. Thermite process	to physical appearance.
C. Haber process	A. Arsenic
D. Contact process	B. Phosphorus
D. Contact process	C. Antimony
A queous solution of horox above 62°C gives	D. Bismuth
Aqueous solution of borax above 62°C gives crystals of?	D. Disiliuti
crystais oi	Compounds of nitrogen and phosphomis are
A No2D4O7 4H2O	Compounds of nitrogen and phosphorus are
A. Na2B4O7.4H2O	mostly?
B. Na2B4O7.5H2O	A !:-
C. Na2B4O7.2H2O	A. ionic
D. Na2B4O7.10H2O	B. covalent
<b>7771 1 641 611 1 1 4 6 11 0</b>	C. polar
Which of the following is not a use of silicon?	D. all varieties are possible
A. Lubricants	SO3 is not absorbed in water directly
B. Hydraulic brakes Free of	because?
C. Antifreeze	
D. Water repellent	A. Reaction is exothermic
D. Water reperient	B. It is insoluble in water
CO2 is gas while SiO2 is solid at room	C. Dilute acid is produced
temperature?	D. All of above
temperature.	D. All of above
A. carbon is non-metal while silicon is semi-metal	Which of the following will give phosphoric
B. CO2 is an independent molecule while SiO2	acid one reaction with
has network covalent structure	water?
C. CO2 forms multiple bond while silicon does	<del></del>
not form multiple bonds	A. PCI5
D. Silicon has all sigma bonds	B. P2O3
6 · · · · · · · · · · · · · · · · · · ·	C. P2O5
Identify the correct statement regarding	D. All of the above
CO?	
	Phosphorus is a Greek word and it
A. it combines with H2O to form carbonic acid	means?
B. it reacts with red blood cells of haemoglobin	<u></u> -
C. it is powerful oxidizing agent	A. Light bearing
D. it is used to prepare aerated drinks	B. Fire
propare actains armino	C. Impure
Boric acid cannot be	D. Tetrahedral
used?	2. I chancain
•	Allotropic form of phosphorus that is
A. As antiseptic in medicine	poisonous is?
B. For washing eyes	PO200110410 10
2.1 or mading of the	

	MCQs in Chemistry
A. White	The chemical composition of cinnabar
B. Red	is?
C. Black	
D. Violet	A. ZnS
	B. PbS
Acetic anhydride can be obtained by treating	C. HgS
ethyl alcohol with?	D. FeS
ethyl alcohol with	D. Pes
A. P2O5	Oxygen and sulphur resemble in all
B. H2SO4	except?
C. Both A and B	•
D. PCI5	A. Electronic conviguration of valence shell
	electrons
Phosphorous acid upon thermal decomposition	B. Show allotropy
yields phosphoric acid	C. Polymeric
	D. Show same oxidation state
and?	D. Snow same oxidation state
A. Phosphine	Arsenic oxides are removed by passing
B. Phosphorus	through?
C. Water	0
D. Phosphorus pentoxide	A. Ferric hydroxide
2.1 nosphorus pomomue	B. Sodium hydroxide
P2O5 is a hygroscopic powder which sublimes	C. Calcium hydroxide
at?	D. Aluminium hydroxide
at;	D. Aluminum nydroxide
A. 260°C	When sulphuric acid is treated with ethanol
B. 360°C	sulphuric acid behaves like?
B. 360°C C. 630°C D. 620°C	Coct
D. 620°C	A an acid
D. 020 C	B. a dehydrating agent
Dhaanharia agid is a waak agid and its basisity	
Phosphoric acid is a weak acid and its basicity	C. an oxidizing agent
is?	D. as sulphonating agent
A. 1	Which one of the followings possesses melting
B. 3	point below 0°C?
C. zero	P
D. 2	A. Nitrogen
D. 2	B. Phosphorus
All the elements in group VIA are	C. Carbon
in nature?	D. Bismuth
A. hygroscopic	The most electronegative element among the
B. metals	following is?
C. polymeric	tonowing is
D. all of above	A. Sb
D. all of above	
XX/L:_L _114	B. N
Which allotropic form of phosphorous is the	C. As
most stable ?	D. P
A. White	Phosphene gas will be produced if phosphorous
B. black	acid is subjected to?
C. red	icia is subjected to;
D. Violet	A. Oxidation
D. VIOICI	
	B. Reduction

	MOQ3 III Oliciliisti y
C. Decomposition	A. Fe
D. Both b & c	B. A
D. Both b & C	
	C. Cr
Which one of following is not a property of	D. All of the above
pure quartz ?	
	The gas which cannot be dried by conc. H2SO4
A. Coloured solid	?
	•
B. Brittle	
C. Hard	A. SO2
D. All of above	B. H2S
	C. CO2
Which of the following does not contain	D. C2H4
_	D. C2114
phosphorus?	
	FeSO4 forms brown ring
A. Yolk of egg	with ?
B. Bone	
C. Nerves	A. N2O3
D. Steel	B. NO2
	C. NO
Which one of the following is not the use of	D. N2O
graphite?	
Stupmee.	Overgon does not poset with all
	Oxygen does not react with all
A. Lead pencils	except?
B. Abrasive	
C. Lubricant	A. Alkali
D. Electrode of electrolytic cell	B. Acid
D. Electrode of electrosytic cen	
	C. Water
The composition of brown ring in nitrate test	D. Metals
is?	
	In which compound nitrogen has maximum
A. FeSO4.No	oxidation state ?
	oxidation state
B. FeSO4.No2	
C. FeSO4.No3	A. N2O
D. FeSO4.N2o	B. NO2
	C. HNO2
Which one of the following compounds usually	D. HNO3
~ · ·	D. III(O3
smells like garlic?	
	Among the halogens the rare element
A. P2O3	is?
B. P2O5	<del></del>
C. H3PO3	A. Elyanina
	A. Fluorine
D. All have same smell	B. Chlorine
	C. Astatine
The element of group VIA which is a non-metal	D. Iodine
is?	2. Tourie
15	X7 1 XX7 1 0
	Vander Waals forces are stronger
A. S	in?
B. Se	
C. Te	A. F2
D. Po	B. Cl2
	C. Br2
Which of the elements show passivity when	D. I2
treated with conc. HNO3?	
	The most powerful oxidizing agent among the
	halogens is?

A. F2	Which of the halogen can displace other three
B. C12	elements ?
C. Br2	
D. I2	A. Flourine
	B. Chlorine
The halogen which reacts spontaneously with	C. Iodine
gold (Au) to form Au+3 is?	D. Bromine
A. F2	The chemical formula of sodium hypochlorite
B. Cl2	is?
C. Br2	*
D. I2	A. NaCLO
	B. NaClO2
The halogen which reacts very slowly with	C. NaClO3
halogen is?	D. NaClO4
A. Fluorine	Bleaching powder is not used for
B. Chlorine	bleaching?
C. Bromine	bleaching
D. Iodine	A Cotton
D. Tourne	A. Cotton  R. Cottly febries
The helegen having highest electron offinity	B. Costly fabrics
The halogen having highest electron affinity	C. Linen
is?	D. Paper pulb
A. Fluorine	Which of the following is not use of compounds
B. Chlorine	of Fluorine?
C Bromine	
D. Iodine Free of	A. SbF3 is used for manufacture of pottery
1166.01	B. Sodium fluoroacetate is a rat poison
Bromine can be liberated from KBr solution by	C. Cu F2 is used in ceramic industry
the action of?	D. None of the above
A. Iodine solution	Photographic plates are coated with a thin film
B. Chlorine	of?
C. NaCl	
D. Ki	A. AgNO3
	B. AgI
Consider the following reaction- 2KCIO3 +	C. AgCl
H2C2O4 + H2SO4 ? K2SO4 + 2H2O + 2CO2 +	D. AgBr
Oxide Which oxide of chlorine is produced in	
the above reaction?	Indicate the correct
	statement?
A. Cl2O	
B. ClO2	A. Cl2 is the strongest oxidizing agent
C. Cl2O6	B. I2 is a volatile solid
D. Cl2O7	C. Br2 is more reactive than Cl2
D. C1207	D. Cl2 is insoluble in water
Consider the following reaction- 3Cl2 +	D. C12 is insolucio in water
6NaOH? NaClO3 + 5NaCl + 3H2O This	Which one of the following halogens is present
reaction is?	in Teflon?
A. Displacement reaction	A. I2
B. Double displacement reaction	B. Br2
C. Disproportionation reaction	C. C12
D. Reduction reaction	D. F2

Which is the paramagnetic oxide of chlorine ?	Which of the following oxides of iodine is used for quantitative analysis of CO?
A. Cl2O7	1
B. Cl2O6	A. I2O4
C. ClO2	B. I4O2
D. all	C. I2O5
D. mi	D. All are equally useful
The colour of chlorine gas is?	D. Thi are equally asserti
· · · · · · · · · · · · · · · · · · ·	Which of the halogen has highest
A. pale yellow	electronegativity?
B. freenish yellow	the control of the co
C. reddish brown	A. Fluorine
D. grayish black	B. Chlorine
D. grayish black	C. Bromine
Which of the following statements is incorrect	D. Iodine
about fluorine?	D. Tourite
about nuorme	Which of the following statements is incorrect
A. fluorine is restricted to -1 oxidation state	about halogens?
B. fluorine follows octet rule and as well as	about naiogens.
extended octet rule	A. All are non-metals
C. fluorine has lowest dissociation energy among	B. All the halogens have electronic conviguration
the halogens  D. both B. and C.	ns2p5
D. both B and C	C. They have high electron attinity and ionization
XX/I * 1 641 6 11 * * . 41 1 4 * 1	energy
Which one of the following is the weakest acid	D. All the halogens react with noble gases to
in water?	form their halides
A HE From of	Fluorine can react with?
A. HF B. HCI	riuorine can react with
C. HBr	A. Xe
D. HI	B. Kr
D. ni	C. Rn
W/l.:-l£4l - £-11:	
Which of the following represents the correct	D. All of the above
electronic configuration of VII A group	
elements in the ground state ?	Which of the following is the weakest reducing
	agent ?
A. ns2p2	
B. ns2p4	A. HF
C. ns2p5	B. HBr
D. ns2p6	C. HC
***************************************	D. HI
Which is the strongest acid?	
	In which compound of Xenon the oxidation
A. HCIO	state of Xenon is + 6?
B. HCIO2	
C. HCIO3	A. XeF4
D. HCIO4	B. XeOF4
	C. XeOF2
Bleaching powder is an example	D. Na4XeO6
of?	
	The anhydride of HCIO4
A. Normal salt	is?
B. Double salt	
C. Mixed salt	A. C12O
D. Complex	B. Cl2O6

C. ClO2 <b>D. Cl2O7</b>	C. ethene D. benzene
Alkanes containing a methyl group on main chain at 2nd carbon are called?	Introduction of nitro group in a molecule is called?
	A. nitration
A. iso-alkane	B. halogenation
B. normal-alkane	C. sulphonation
C. neo-alkane	D. amination
D. branched-alkane	
Alkanes are also known as?	The gas used in manufacturing of urea fertilizer?
A saturated hydrogarhon	A. C2H6
A. saturated hydrocarbon B. unsaturated hydrocarbon	B. C2H4
C. paraffins	C. C2H2
D. both A & C	D. CH4
Hydrogenolysis results in the formation of?	Which of the following will be acidic?
A. alkane	A. propyne
B. alkene	B. 1-butyne
C. alkyne	C. ethyne
D. aldehydes	D. all of the above
Removal of CO2 is called ?	Alkenes are produced from dehalogenation of?
A. carboxylation	A. dihalo alkane
B. decarboxylation	B. trihalo alkane
C. esterification	C. vicinal dihalo alkane
D. hydroxylation	D. vicinal trihalo alkane
Molozonide is unstable and changes into ozonide on?	In unsaturated hydrocarbons electrons favour?
A. reduction	A. less reactivity
B. oxidation	B. addition reactions
C. hydrolysis	C. substitution reactions
D. rearrangement	D. none
R-Mg-Br is called?	Which one is Chloroform?
A. Grignard reagent	A. CH2Cl2
B. Metallic alkyl halide	B. CH3Cl
C. Both A & B	C. CHCl3
D. Alkyl	D. CC14
Which of the following is the most reactive?	Which is used for artificial ripening of fruit?
	A. ethane
A. ethane B. ethyne	B. ethene

C. ethyne D. methane	C. ethyl halide D. all of the above are possible
Preparation of vegetable ghee involves?	Upto C atoms alkanes are gases?
A. halogenation	A. 2
B. hydroxylation	B. 3
· · · · ·	C. 4
C. hydrogenation	
D. hydration	D. 6
Which is methyl cyanide?	<b>Incomplete oxidation of methane in the limited supply of air forms?</b>
A. CH3NH2	
B. CH3NO2	A. CO2 and H2O
C. CH3CN	В. СНЗОН
D. $CH2 = CH - CN$	C. CO + H2 + C
	D. CO + H2O + C
When one hydrogen atom of alkane is removed	
then it is called?	Order of ease of halogenation in alkane
·	is?
A. alkene	•
B. alkyl	A. I2>C12>Br2>F2
C. aldehyde	B. F2>C12>Br2
•	C. F2>Cl2>Br2>I2
D. saturated hydrocarbon	
Cabatian Candama was ation involve	D. Cl2>F2>Br2>I2
Sabatier Senderns reaction involve in presence of Ni? Free Of	General formula of alkyne is?
A. Aalkene & H2	A. CnH2n + 2
B. alkene & O2	B. CnH2n – 2
C. alkene & N2	C. CnH2n
D. alkyne & Cl2	D. CnH2n + 2
2. unique & 6.12	D. CHILLI   Z
Clemmensens reduction infolves the reduction	Removal of halogen and hydrogen atom
of?	is?
A. ketone	A. halogenation
B. aldehyde	B. dehalogenation
C. alkane	C. dehydrohalogenation
D. all of the above	D. hydrohalogenation
Soda lime is a mixture	Reactivity due to pi-electrons is present
of?	in?
A. CaO and KOH	A. alkane
B. CaO and NaOH	B. alkene
C. NaOH and Na2O	C. alkyne
D. Na2O and KOH	D. both B & C
Dehalogenation of ethyl tetrahalide will give?	Raney nickel is prepared from by treating with
•	caustic soda?
A. ethene <b>B. ethyne</b>	

	MCQs in Chemistry
A. Ni-Cu alloy	The rate of E1 reaction depends
B. Ni-Fe alloy	upon?
C. Ni-Al alloy	
D. Ni-Mg alloy	A. the concentration of substrate
	B. the concentration of nucleophile
Vinylacetylene combines with HCI to	C. the concentration of substrate as well as
form?	nucleophile
	D. base the concentration of substrate as well as
A. polyacetylene	nucleophile
B. benzene	
C. chloroprene	Elimination bimolecular reactions
D. divinyl acetylene	involve?
Which C-X bond has the highest bond energy	A. first order kinetics
per mole ?	B. second order kinetics
	C. third order kinetics
A. C-F	D. zero order kinetics
B. C-C	
C. C-Br	Grignard reagent is reactive due
D. C-I	to?
Ethyl chloride with nascent hydrogen	A. the presence of halogen atom
produces?	B. the presence of magnesium atom
•	C. the polarity of C-Mg bond
A. methane	D. all
B. ethane	
C. propane	The ether used in Wurtz synthesis
D. butane Free of	isost ?
The number of molecules taking part in the	A. acidic
rate determining step is	B. basic
called?	C. aqueous
	D. dry
A. Order of reaction	
B. Rate of reaction	Which one of the following species is not an
C. Mole of a reaction	electrophile ?
D. Extent of a reaction	
	A. NH3
What will be the order of reaction of a reaction	B. Br+
whose rate can be expressed as $R = K [A] [B]$ ?	C. H+
A 7am	D. BF3
A. Zero	VV/L: -h£ 4h - £-11 :l h -l :11 h -
B. One	Which one of the following alcohols will be
C. Two	formed when ethyl magnesium bromide reacts
D. Three	with acetone ?
What is the order of kinetics in the SN1	A. primary alcohol
mechanism ?	B. secondary alcohol
	C. tertiary alcohol
A. Zero	D. dihydric alcohol
B. First	
C. Second	Which one of the following molecules does not
D. Third	form alcohol when reacts with Grignard reagent?

A. formaldehyde	When two moles of ethyl chloride react with
B. acetaldehyde	two moles of sodium in the presence of ether
C. propanone	what will be formed?
D. carbondioxide	
	A. 2 moles of ethane
In primary alkyl halides the halogen atom is	B. 1 mole of ethane
attached to a carbon which is further attached	C. 2 moles of butane
to how many carbon	D. 1 mole of butane
atoms?	201 more of susuane
•	When CO2 is made to react with ethyl
A. two	magnesium iodide followed by acid hydrolysis
B. three	the product formed is?
C. one	the product formed is
D. four	A. propane
D. Ioui	B. propane  B. propanoic acid
The heat method of preparation of all vil helides	
The best method of preparation of alkyl halides	C. propanal
is a reaction of alcohol	D. propanol
with?	CNA 4 L L 4 L L 4
1. 7. /WG	SN2 reaction can be best carried out
A. Zn / HCI	with?
B. SOC12 / Pyridine	
C. PCI3	A. primary alkyl halide
D. PCI5	B. secondary alkyl halide
	C. tertiary alkyl halide
50% inversion of configuration of molecules	D. all
take place in a?	
	For which mechanisms the first step involved is
A. E1 – reaction Free of	the same ?
B. E2 – reaction	
C. SN1 – reaction	A. $E1 + E2$
D. SN2 – reaction	B. E2 + SN2
	C. E1 and SN1
Which alkyl halide has the highest reactivity	D. SN1 and SN2
for a particular alkyl group?	
	Alkyl halides are considered to be very reactive
A. R-F	compounds towards nucleophile
B. R-C	because?
C. R-Br	
D. R-I	A. they have an electrophilic carbon
	B. they have an electrophilic carbon & a good
Which one is not a nucleophile?	leaving group
When one is not a nacreophile.	C. they have an electrophilic carbon & a bad
A. C2H5O-	leaving group
B. SCN-	D. they have a nucleophilic carbon & a good
C. NH3	leaving group
D. H3C+	icaving group
D, 11001	Which one of the following reactants will be
Which ally halide out of the following may	required to form straight chain alcohol by
Which alkyl halide out of the following may follow both SN1 and SN2 mechanism?	
tonow both SIM1 and SIM2 mechanism?	using Grignard reagent?
A CH2 V	A formal delayed
A. CH3-X	A. formaldehyde
B. (CH3)3 C-CH2 – X	B. ketone
C. (CH3)2 CH – X	C. ethylene epoxide
D. (CH3)3 C – X	D. both A & C

Ethylene epoxide treated with Grignards	A. Oxygen
reagent followed by acid hydrolysis yield	B. Hydrogen
?	C. Nascent oxygen[O]
	D. Nascent hydrogen[H]
A. primary alcohol	7 6 1
B. secondary alcohol	Which alcohol will undergo elimination
C. tertiary alcohol	reaction to give alkene in the presence of acidic
D. dihydric alcohol	potassium dichromate?
D. diffydire diconor	potassian aremonate.
Alkyl halides undergo a type of	A. Primary alcohol
reaction?	B. Secondary alcohol
	C. Tertiary alcohol
A. Nucleophilic substitution	D. All of above
B. Nucleophilic addition	B. 1111 01 400 (C
C. Elimination	Which compound is also known by the name of
D. both A & C	carbolic acid ?
Which one of the following is termed as benzul	А. С2Н2ОН
alcohol?	B. H2CO3
aconor.	C. C6H5OH
A COUTOU	
A. C6H5OH	D. H3PO3
B. C6H5CH(OH)2	
С. С6Н5СН2ОН	Heating phenol with Zn will
D. C6H5COOH	yield?
Which are of the following is also known as	A. Dangana
Which one of the following is also known as	A. Benzene
tartaric acid?	B. Benzoic acid
	C. Phenoxide
A. 2 3-dihydroxy butance 1 4 -dioic acid	D. Cyclohexane
B. 2 3 -dihydroxy butanedioic acid	
C. 2 3 -dihydroxy butanioc acid	Treating phenol with formaldehyde in the
D. 2 2 -dihydroxy butanoic acid	presence of dilute base forms Bakelite. The
	process involved is?
The residue obtained after the crystallization of	
sugar from concentrated sugar cane juice is	A. oxidation
called?	B. elimination
·	C. condensation polymerization
A. Mother liquor	D. additional polymertization
B. Filterate	D. additional polymertization
C. Extract	Ethanol can be converted into ethanoic acid
D. Molasses	by?
The process of fermentation of starch involve	A. Hydrogenation
many enzymes the sequence of enzymes used	B. Hydration
are?	C. Oxidation
	D. Fermentation
A. Diastase-maltase-zymase	
B. Zymase-maltase-diastase	Methanol can be obtained
C. Maltase-diastase-zymase	from?
D. Diastase-zymase-maltase	
	A. water gas
K2Cr2O7/H2SO4	B. destructive distillation of wood
generate?	C. methane
	D. all

**78** MCQs in Chemistry The rectified spirit contains\_\_\_\_\_ A. 12% alcohol B. 90% alcohol C. 95% alcohol D. 100% alcohol The oxidation of isopropyl alcohol will yield\_\_\_\_\_? A. propane B. Propanol C. Propanone D. Propanoic acid The distinction test for primary secondary and tertiary alcohol required to react each of them is\_\_\_\_\_? A. Cone. HCI and anhydrous SOC12 B. Cone. HCI and anhydrous CaCl2 C. Cone. HCI and anhydrous PCl2 D. Cone. HCI and anhydrous ZnCl2 The given dissociation constant (Ka) value 1.3×10-10 is of\_\_\_\_\_? A. Alcohol B. Acetic acid C. Water D. Phenol When phenol is heated with concentrated nitric acid the product is\_\_\_\_\_? A. Picric acid B. o-nitrophenol C. 135 -trinitro benzene D. p-nitrophenol Which compound shows hydrogen bonding? A. C2H6 B. C2H5C1 C. CH3OCH3 **D. C2H5OH** Methyl alcohol is not

used

B. As an antifreezing agentC. As a substitute for petrolD. For denaturing of ethyl alcohol

A. As a solvent

Absolute alcohol is obtained when rectified spirit is treated with?	
A. Ca(OH)2	
B. CaCO3	
C. CaCl2	
D. CaO	
Phenol was isolated by Runge from?	
A. vegetable oil	
B. coaltar	
C. wood	
D. none of these	
The hydrogenation of phenol in the presence on Ni and heat gives?	f
A. cyclohexane	
B. n – hexane	
C. 1 – hexanol	
D. cyclohexanol	
Ethanol and methanol can be distinguished by a?	
A. Iodoform test	_
B. Lucas test	
C. Benedicts test	
D. Tollens test	
Which one of the following alcohol has greater boiling point?	•
A. ethanol	
B. ethylene glaycol	
C. glycerol	
D. methanol	
Water gas heated at 450?C and 200 atm pressure in the presence of ZnO+Cr2O3 will produce?	
A. methanol	
B. methanol	
C. carbonic acid	
D. methane	
The formula of starch is?	,
A. C12H22O11	
B. C6H10O5	
C. (C6H10O5)n	
D. C6H12O6	

	C. Radon
An alcohol which can be prepared by	D. Xenon
fermentation is?	
•	Which of the following noble gases is abundant
A CH2OH	
A. CH3OH	in air?
В. СЗН7ОН	
C. CH3 – CH2 – OH	A. Neon
D. C6H5OH	B. Helium
	C. Argon
When alcohol reacts with phosphorous halides	D. Methane
	D. Wediane
it geive?	
	Which law states that "equal volumes of all
A. alkyl halides	gases, at the same temperature and pressure,
B. alkyl amine	have the same number of molecules?
C. alkanes	
D. alkynes	A. Boyle's law
D. dikyhos	B. Charles' law
XX/1 · 1 · 6 · 1 · 1 · 1 · 1 ·	
Which one of the following compound does not	C. Gay-Lussac's law
have – OH group?	D. Avogadro's law
A. ethylene glycol	Which law states that the volume of a given
B. glycerol	amount of gas held at constant pressure is
<del></del>	
C. picric acid	directly proportional to the Kelvin
D. ethyl acetate	temperature?
Ethers show functional group isomerism with	A. Charles' Law
<u> </u>	B. Avogadro's Law
Fron of	C. Graham's Law
A. aldehydes	D. Boyle's law
•	D. Doyle s law
B. ketones	
C. alcohols	Which law states that the rate of the effusion of
D. carboxylic acid	a gas is inversely proportional to the square
	root of its density?
Which one of the following is also known as	·
lactic acid?	A. Graham's Law
actic actu :	
	B. Gay-Lussac's law
A. 3-Hydroxy propanoic acid	C. Boyle's law
B. 2-Hydroxy propanoic acid	D. None of these
C. 2-hydroxy butanoic acid	
D. 3-hydroxy butanoic acid	The valency of carbon Atom is?
2.5 If drong sammore acta	The variety of carbon from is
The easy year of halancing the shamical	A 1
The easy way of balancing the chemical	A. 1
equation is?	B. 2
	C. 3
A. according to atom's atomic number.	D. 4
B. According to atom's atomic mass.	
C. First we balance Metal than non-metal than	Read More Details about this Mcq
	Read More Details about this Mey
Hydrogen than Oxygen.	
D. None of the above	What is the Chemical formula of Zinc
	Hydroxide ?
Which of the following noble gases is not	
present in atmosphere?	A. Zn(OH)2
r	B. ZNO2
A Arron	
A. Argon	C. Zn2(OH)3
B. Helium	D. ZnOH

Permanent hardness of water due to sulphate of metals can be destroyed by the use of	C. HN2O2 D. H2NO4
?	D. 1121104
A. Zeolites	What is the molecular Weight of Nitric acid
B. Sulphonides	(HNO3)?
C. Lime	(22,00)
D. Nitrates	A. 63.012 g/mol
	B. 65.012 g/mol
Which among the following is not a property of	C. 70.012 g/mol
Ionic bond?	D. 81.011 g/mol
A. Sharing of electrons	The Branch of chemistry dealing with brewing
B. Transfer of electrons	and distilling is called?
C. Losing of electrons	
D. Gain of electrons	A. Zygology
	B. Zymology
Sum of protons and neutrons in an atom gives	C. Zymurgy
off?	D. Zootaxy
A. Nucleon numbera	The science of fermentation is called?
B. Mass number	
C. Atomic number	A. Zygology
D. Both A and B	B. Zymology
XX71 . 4 *- 41 1	C. Zymurgy
What is the molecular weight of Ammonia (NH3)?	D. Zootaxy
Free of	The reciprocal of the coefficent of viscosity is
A. 17.031 g/mol	called?
B. 18.031 g/mol	
C. 19.031 g/mol	A. Density
D. 27.033 g/mol	B. Specific gravity
701 1 1 4 1 C 1 1 4	C. Fluidity
The absolute value of charge on electron was	D. Absorbance
determined by?	E
A LITTLE CONTRACT	For a given mass of a gas at constant
A. J.J.Thomson	temperature, if the value V becomes 3 times,
B. Chadwick C. Rutherford	the pressure will becomes?
D. Robert Millikan	A. 3P
D. Robert Willikan	B. P/3
The discovery of neutron became very late	C. 3P/T
because?	D. 6P
A. It does not carry any charge	A theoretical link between quantum mechanics
B. It does not move	and thermodynamics is?
C. It is a fundamental particle	
D. It is present in nucleus	A. Electrchemistry
r	B. Matrix mechanics
What is the molecular formula for Nitric acid	C. Statistical thermodynamics
?	D. Soectroscopic analysis
A. HNO2 B. HNO3	Stainless steel contains?

	MCQs in Chemistry
A. Fe+Cr+Ni	The maximum oxidation shown by manages
B. Fe+Ni+Cu	is?
C. Fe+ Cr+Cu	
D. Cu+C+Ni	A. +2
D. 04101111	B. +4
Carbon in wrought iron is present	C. +5
_	D. +7
as?	D. +1
A. Silicon carbide	Colour in transition motal compounds is
	Colour in transition metal compounds is
B. Iron carbide	attributed to?
C. Graphite	A G 11 1 1 1 1 1
D. Partly as iron carbide and partly as graphite	A. Small sized metal ions
	B. Absorption of light in UV region
If steel is heated to a temperature well below	C. Complete ns sub-shell
red heat and is then cooled slowly, the process	D. Incomplete (n-1) d sub-shell
is called?	
	Which of the following statements is false about
A. Annealing	transition metals?
B. Quenching	
C. Tempering	A. They form complexes
D. Nitriding	B. They show variable valency
D. Mulding	C. All transition metal compounds are
The substance used in concer thereny	
The substance used in cancer therapy	paramagnetic
is?	D. They form coloured ions
A . F	701 . 1 1
A. Fe	The by-product of the process of Saponification
B. Co	18?
C. Ni Free of	is? A. Methanol
D. Rn	A. Methanol
	B. Glycol
	C. Glycerol
Transition elements, in general, exhibit the	D. Sodium hydroxide
following properties, except one. Name that	
property?	Polyethylene Glycols are used in the
	preparation of which type of detergents?
A. Variable oxidation state	rrg
B. Natural Radioactivity	A. Cationic detergents
C. Tendency to form complexes	B. Anionic detergents
D. Formation of alloys	
D. Formation of anoys	C. Non-ionic detergents soap
	D. All of above
Which of the following alloys contain(s) Cu and	0 4 4 6 11
Zn?	surfactants perform well over a
	wide range water hardness and PH?
A. Bronze	
B. Brass	A. Anionic
C. Gun-metal	B. Cationic
D. Type metal	C. Nonionic
	D. Neutral
Which of the following is soluble in water?	
•	Commercial detergents contain mainly
A. AgF	?
B. AgCl	
C. AgBr	A. RCOON
D. AgI	B. RONa
D. Agi	
	C. RSNa

	weds in chemistry
D. ROsO3Na	C. 105. 7°
Muhammad Ali Kunbhar	D. 180°
Which one of the following is caustic potash?	The bond length of C=C is?
which one of the following is enable potasity	The some rength of a a is
A. NaOH	A. 1.20A°
B. KOH	B. 1.34A°
C. NaCl	C. 1.54A°
D. NaBH4	D. 1.68A°
The carbon-carbon bond strength is maximum	The stationary and mobile phases in paper
in?	chromatography are?
4 6774 6774	
А. СНЗСНЗ	A. Liquid/liquid
B. CH2=CH2	B. Solid/liquid
C. Benzene	C. Liquid/solid
D. Cyclohexane	D. Liquid/gas
•	
Which of the following effects best explains	Beillstein test is used for?
that o-nitrophenol is insoluble in water?	
<b>F</b>	A. Cl
A. Inductive effect	B. N2
B. Resonance effect	C. CO2
C. Intermolecular H-bonding	D. CO
D. Isomeric effect	
	Presence of nitrogen in organic compounds is
Which one of the following is most acidic?	tested as?
Free of	Cost
A. Phenol	A. Nitrogen gas
B. P-nitrophenol	B. NH3
C. O-nitrophenol	C. CN
D. M-nitrophenol	D. NO
D. M-Introphenor	D. NO
Chlorine Cl when attached to benzene	The molar mass of an organic acids is
has?	determined by?
nas•	determined by
A. +I and +R effect	A. Depression of freezing point
B1 and +R effect	B. Volumetric method
C. +1 and -R effect	C. Victor Meyer's method
DI and -R effect	D. Osmosis method
The criteria for aromaticity is presence	The IUPAC suffix used forNC group?
of?	
	A. Cyanide
A. Unsaturations	B. Isocyanides
B. Cyclic structure	C. Nitrile
C. Presence of $4n\pi$ electrons	D. Carbylamines
D. Presence of $4n+2\pi$ electrons	•
Difference of the 200 electrons	The IUPAC name of ethylene oxide
The bond angle between hybrid orbitals in	is?
· ·	15 é
methane CH3 is?	A. En aver moth and
A 115.50	A. Epoxy methane
A. 115.5°	B. Oxoethene
B. 109.5°	C. Methoxymethane
	D. Oxirane

The IUPAC name of HCONH2 is?	When 0.01 moles of NaOH are added to a
	buffer solution, its PH changes from 4.745 to
A. Methanamide	4.832. What is its?
B. Methanoylamine	
C. Aminoethanol	A. 0.115
D. Formanide	B. 0.900
D. I officialité	C. 0.015
The compound (CH3)3COH according to	D. 0.215
	D. 0.213
IUPAC is known as?	Alpha partials can be detected by
A. Taut Data and	Alpha particles can be detected by
A. Tert-Butanol	using?
B. 2,2-Dimethyl-propanol	
C. Tert Alcohol	A. Gold foils
D. 1,1- Diethylethanol	B. Barium sulphate
	C. Zinc sulphide screen
The PH of the 0.0032 M H2SO4 is?	D. Thin Aluminium sheet
A. 3.2	Which one of the following is the correct
B. 4.0	sequence according to atomic weights?
C. 2.198	A.F. C. N
D. 1.0	A. Fe>Co> Ni
	B. Co > Ni > Fe
The PH of the $1.3 \times 10$ -4 NH4Cl is?	C. Ni> Co> Fe
	D. Co >Fe>Ni
A. 1.3	
B. 4.0	Generally the limit of visible spectrum
C. 2.886	is? A 1000 to 300 A°
D. 3.886	Cost
	A. $1000$ to $300$ A $^{\circ}$
The PH of milk is?	B. 3800 to 7600 $A^{\circ}$
	C. $8000 \text{ to } 10,000 \text{ A}^{\circ}$
A. 6.0	D. 12,000 to 15,000 A°
B. 6.5	
C. 7.0	If R is the Rydberg constant for hydrogen, then
D.7.5	wave-number of the second line in the Lyman
	series is?
Read More Details about this Mcq	·
•	A. 2 R
The PH of Tears is?	B. R/2
	C. 3R/4
A. 7.0	D. R/4
B. 7.4	
C. 7.8	Magnetic quantum number
D. 8.2	specifies ?
5.0.2	·
The PH of pure water at 25°C, kw=1×10-	A. Size of orbitals
4?	B. Shape of orbitals
·	C. Orientation of orbitals
A. 0	D. All of the above
B. 7	2.121 01 410 400.0
C. 14	Azimuthal quantum number
D. None of above	defines?
D. INOID OF AUGVE	ucinicsi
	A. e/m ratio of an electron
	B. Spin of an electron

84	
	MCQs in Chemistry  Hydrocarbon is formed when Grignard reagent is treated with?
diation,	A. H2O B. CH3OH C. Both a and b D. None of the above
	Grignard reagent gives carboxylic acid with?
re ideal	A. CO2 B. CH3CHO C. COC2 D. HCN
	The law of traids is applicable to?
800K to	A. Li, Be, B B. F, Cl, Br C. Cl, Br, I D. Na, K, Rb  The concept of telluric helix was developed
Free of	A. Lother Meyer  B. A.E de Chancourtois  C. Newland  D. Dobereiner
twice	Which group contains elements that exist as monoatomic molecule?
	A. 1 B. 2 C. 14 <b>D. 18</b>
273 K	The element having electronic configuration [kr] 4d10, 4f14,5s2,5p6,5d1,6s2 belongs to?
	A. S-Block

Which one of the following is a bridge element?

of what it is at 0°C?
A. 546 °C
B. 546 K
C. 200°C
D. 273 K
The density of a gas is 1.964 g dm-3 at 273 K and 76 cm Hg. The gas is?
A. CH4

temperature the volume of gas becomes twice

C. Angular momentum of an electron D. Magnetic momentum of an electron

whose frequency is 4×10 14 Hz, is

behaviour at 0°C\_\_\_\_\_?

600 K. The kinetic energy becomes\_\_\_\_\_?

Pressure remain constant, at which

A. 159.6kJ B. 135.5 KJ C. 110.5 KJ D. 80.4 KJ

A. H2 B. CH4 C. He D. NH3

A. Double B. Same

D. Four times

C. Half

**B.** CO2

C. C2H4

D. Xe

The energy of one mole of photons of radiation,

Which of the following gases shows more ideal

In a closed vessel, a gas is heated from 300K to

Which of the following haloalkane is hydrolysed by SN1 mechanism?

A. CH3Br B. CH3CH2Br C. CH3CH2CH2Br D. (CH3)3CBr

A. Be B. Cl C. K D. P

B. P-Block

C. d-Block D. f-Block

The common oxidation state of lanthanides	The molecules of which gas have highest speed
is?	
	A. H <sub>2</sub> at -73°C
A. +3	B. CH <sub>4</sub> at 300 K
B. +2	C. N <sub>2</sub> at 1,027°C
C. +1	D. $O_2$ at $0^{\circ}$ C
D. +4	
Which of the following is most soluble on	The law which states that the amount of gas dissolved in a liquid is proportional to its
water?	partial pressure is?
A P 004	A D 1/2 1
A. BaSO4	A. Dalton's law
B. SrSO4	B. Gay Lussac's law
C. CaSO4	C. Henry's law
D. MgSO4	D. Raoult's law
Which of the following orbitals has maximum	The Latin word formica means ant. The name
penetration effect?	formic acid is derived from this Latin word
penetration effect.	because ?
A C	because:
A. S	A distributed in a standard and a second de-
B. P	A. this acid, in ancient times, was used to
C. d	eliminate ant-hills
D. f	B. this corrosive acid is secreted by ants to drive
	away their enemies
The heat energy produced when the human	C. this acid was first obtained by the
body metabolises 1 gram of fat is?	distillation of ants
•	D. ants are attracted by the odour of this acid
A. 30 KJ Free of	Cost
B. 1 KJ	The heat energy produced when the human
C. 39 KJ	body metabolises 1 gram of fat is?
D. 29 KJ	
	A. 30 KJ
Which of the following phenomenon is	B. 1 KJ
considered responsible for Global Warming?	C. 39 KJ
	D. 29 KJ
A. Greenhouse effect	
B. Fire in coal mines	Which of the following phenomenon is
C. Dry farming	considered responsible for Global Warming?
D. Monsoon	constacted responsible for Global Warming.
D. MORSOON	A. Greenhouse effect
The second on aftil alcohomo in F-2 (7, 20) in	
The number of d-electrons in Fe2+ $(Z = 26)$ is	B. Fire in coal mines
not equal to that of?	C. Dry farming
	D. Monsoon
A. p-electrons in $Ne(Z = 10)$	
B. s-electrons in $Mg(Z = 12)$	The number of d-electrons in Fe2+ $(Z = 26)$ is
C. d-electrons in $Fe(Z = 26)$	not equal to that of?
D. p-electrons in $CI(Z = 17)$	
2. p 5.0000 in 5.(2 - 1/)	A. p-electrons in $Ne(Z = 10)$
The metallurgical precess in which a metal is	
The metallurgical process in which a metal is	B. s-electrons in $Mg(Z = 12)$
obtained in a fused state is called?	C. d-electrons in $Fe(Z = 26)$
	D. p-electrons in $CI(Z = 17)$
A. smelting	
B. roasting	The metallurgical process in which a metal is
C. calcinations	obtained in a fused state is called?
D. froth floatation	

A. smelting	A. 0.2 moles
B. roasting	B. 0.3 moles
C. calcinations	C. 0.4 moles
D. froth floatation	D. 0.5 moles
The molecules of which gas have highest speed?	What is the mass percent of silver in silver notrate, AgNO3?
A. H <sub>2</sub> at -73°C	, 3
B. CH <sub>4</sub> at 300 K	A. 64.5%
C. N <sub>2</sub> at 1,027°C	B. 65.6%
D. $O_2$ at $0^{\circ}$ C	C. 63.5%
William and all alternation and a smith harden and	D. 61.5%
When an aldehyde is reacted with hydrogen	A samula of an inan and annuan ana has a mass
cyanide a "Cyanihydrin" is formed. This	A sample of an iron and oxygen ore has a mass
process is best termed as?	of 35.8 grams. The iron in the compound has a mass of 27.9 grams. What is the percent iron in
A. Electrophilic addition	the ore?
B. Electrophilic substitution	the ore:
C. Nucleophilic addition	A. 74% Fe
D. Necleophilic substitution	B. 75% Fe
D. Necleophine substitution	C. 77% Fe
Which of the following solvents would heat	D. 78% Fe
Which of the following solvents would best facilitate an SN2 substitution reaction?	D. 70% ге
Tacinitate an SN2 substitution reaction:	A compound is determined to have an
A. Water	A compound is determined to have an emperical formula of C2H6O and a molar mass
B. Hexane	•
	of 138 g/mole. What is the molecular formula?
C. Dimethylflormamide D. Ethanol	A C21160
D. Ethanol Free Of	B. C6H18O3
In a molecule of carbon monoxide, what are the	C. C6H12O6
formal charges on the two atoms?	D. C2H5O
formar charges on the two atoms.	D. C21130
A. Carbon=0, Oxygen=0	A substance is analyzed and found to have an
B. Carbon= +1, Oxygen= -1	emperical formula of CH2 and a molar mass of
C. Carbon= -1, Oxygen= +1	56g/mole. What is the molecular formula of the
D. Carbon=0, Oxygen= -1	compound?
Which of the following aqueous solutions	A. C2H4
would have the highest boiling point?	B. C3H6
would have the nighest bonning point.	C. C4H8
A. 0.20 m glucose	D. C5H10
B. 0.20 m NaCl	D. C31110
C. 0.15 m CaCl2	The number of atoms present in 21.6 gram of
D. 0.25 m sucrose	silver (atomic weight = 108) are same as the
D. 0.25 III sucrose	molecules in?
The mass of 3.2 moles of ammonia (NH3) gas?	A. 1.8 gram of H <sub>2</sub> O
· / J	B. 12 moles of KMnO <sub>4</sub>
A. 53.4 grams	C. 0.6N H <sub>2</sub> SO <sub>4</sub>
B. 54.4 grams	D. 4.6 gram of C <sub>2</sub> H <sub>5</sub> OH
C. 55.4 grams	-
D. 56.4 grams	The molecular formula for cholesterol is C27
Have many males are in 22.2 aroms of Calaire	H46 O. What are the degrees of unsaturation for this compound?
How many moles are in 22.2 grams of Calcium chloride, CaCl2?	tor ans compound:

	MCQs in Chemistry
A. 5	The number of lone pairs in XeOF4
B. 6	is?
C. 7	
D. 8	A. O
D. 0	B. 1
The west annualists mathed for severaling a	C. 2
The most appropriate method for separating a	
large quantity of a mixture of nonvolatile,	D. 3
nonpolar organic compounds would	
be?	Argon gas was discovered by?
A. Distillation	A. Rayleigh
B. Extraction	B. Ramsay
C. Gas chromatography	C. Lockerey
D. Column chromatography	D. Dalton
The relatively high energy of the gauche	SO2 reacts with Cl in sunlight to
conformation of butane is primarily associated	form ?
with?	·
•	A. Sulphur dioxide
A. Angle strain	B. Sulphuryl chloride
	<b>1 V</b>
B. Torsional strain	C. Suphanyl chloride
C. Steric strain	D. All of the above
D. Orbital strain	
	Oxidation state +1 for phosphorous is found
What is the density ofargon gas at a	in?
temperature of 30°C and a pressure of 1.05	
atm?	A. H3PO3
Eroo of	B H3PO4
A. 1.65 g/L Free of	С НЗРО2
	D. H2P2O7
B. 1.67 g/L	D. n2r2O7
C. 1.68 g/L	
D. None of the above	Electric bulb filament is made of?
The formula C6H5-CO-CH3	A. Copper
represents?	B. Aluminum
	C. Lead
A. Acetone	D. Tungsten
B. Acetic acid	
C. Acetophenone	Tetraethyl lead is used as?
D. Phenyl acetate	•
,	A. Pain Killer
Poisonous gas present in the exhaust fumes of a	B. Fire Extinguisher
jet plane is?	C. Mosquito Repellent
jet plane 15	D. Petrol Additive
A. Elympoorhou	D. I ett of Additive
A. Flurocarbon	
B. Carbon monoxide	
C. Methane	The average salinity of sea water is?
D. C2H2	
	A. 3%
The O-O linkage is present in?	B. 3.5%
	C. 2.5%
A. H2S2O3	D. 2%
B.H2SO8	<b>□.</b> □/0
C. H2S4O6	The chemical (Ethyl Mayonton) added 4-41-
C. H2S4O6 D. H2 S2 O6	The chemical (Ethyl Mercaptan) added to the otherwise odourless LPG cooking gas for
D. 07.37.40	OTHERWISE ORIGINALISS LART CONKING GREATURE

imparting a detectable smell to the gas is a	A. Roasting
compound of:?	B. Forth flotation
	C. Electrolysis
A. Bromine	D. Distillation
B. Fluorine	
C. Chlorine	Which metal is used as a reducing agent in
D. Sulphur	Smelting?
1	<del></del>
Marsh gas is?	A. C
<b></b> .	B. Zn
A. Nitrogen	C. Al
B. Ethane	D. Cu
C. Methane	2.00
D. Hydrogen	
D. Hydrogen	Parke's process is used in the extraction
Datassium Dammanganata is used for numifying	of?
Potassium Permanganate is used for purifying	01 <b>:</b>
drinking water, because?	A T
A Total Control of the Control of th	A. Iron
A. It is a sterilising agent.	B. Sodium
B. It dissolves the impurities of water.	C. Silver
C. It is a reducing agent.	D. Zinc
D. It is an oxidising agent.	
	In melting of iron, which of the following
Find the PH of a 0.001 M solution of Nitric acid	reactions takes place in Bladt Furnace at
HNO3?	400°C- 600°C?
A. 2	A. CaO+ SiO2——> CaSiO3
B.3 Free of	B. 2FeS+3O2> 2Fe+ SO2
C. 4	A. CaO+ SiO2——> CaSiO3 B. 2FeS+3O2———> 2Fe+ SO2 C. FeSiO3———> FeSiO3
D. 5	D. Fe2O3+ 3CO—> 2Fe+ 3CO2
D. 3	D. FC2O3+ 3CO
Which set of quantum numbers is not allowed?	Gypsum is?
which set of quantum numbers is not anowed:	Gypsum is
A n=21=1 m1=0 ma=±1/2	A. CoSO4
A. $n=2,l=1,m1=0,ms=+1/2$	A. CaSO4
B. $n=2,l=1,m1=-1,ms=+1/2$	B. CaSO4.1/2H2O
C. $n=2,l=0,m1=0,ms=-1/2$	C. CaSO4,2H2O
D. n=2,l=2,m1=1,ms=-1/2	D. CaSO4.3H2O
The purpose of Smelting an ore is to?	Basicity of orthophosphoric acid is?
A. Reduce it	A. 2
B. Oxidize it	B. 3
C. Obtain an alloy	C. 4
D. Separate volatile impurities	D. 5
Which Oxide of Manganese is amphoteric?	Ce58 is a member of?
•	
A. MnO2	A. S-block
B. Mn2O3	B. P-block
C. Mn2O7	C. d-block
D. MnO	D. f-block
D. IVIIIO	D. I BIUCK
A process used for the Concentration of Ore	Electronic Configuration of Calcium (Ca) atom
<del>-</del>	
is?	may be written as?

	MCQs in Chemistry
A. Ne, 4p2	Cassiterite is an ore of?
B. Ar, 4s2	
C. Ne, 4s2	A. Mn
D. Kr,4p2	B. Ni
	C. Sb
A 10 volume solution of H2O2 means?	D. Sn
A. 10 grams of H2O2 solution liberate 10 mL of	Percentage of lead in lead pencil is?
O2 at STO	A 77
B. 10 gram equivalents of H2O2 liberates 10 mL	A. Zero
of O2 at STP	B. 20
C. 10 litres of H2O2 liberates 19 mL of O2 at STP	C. 80
D. 1mL of solution of H2O2 liberates 10 mL of O2 at STP	D. 70
02 ut 511	In borax bead test which compound is
The volume strength of 1.5 N H2O2 solution	formed ?
is?	iormeu
15	A. Ortho burate
A 4 0	
A. 4.8 B. 5.2	B. Meta borate
	C. Double oxide
C. 8.8	D. Tetra borate
D. 8.4	Water molecule is?
The structure of H2O2 is?	
	A. V-shaped
A. Planar	B. Angular
B. Non- polar	C. Pyramidal
	D. Triangular planer
D. Linear	C03(8 1
	I3( Tri-iodine) has shape?
Which of the following element has the	· · · · · · · · · · · · · · · · · · ·
maximum electron affinity?	A. Trigonal bipyramidal
<b>V</b>	B. Linear
A. Cl	C. Square bipyramidal
B. Br	D. Both A and C
C. I	D. Both II tale C
D. F	BeCl2 has the hybrid orbitaks of type?
	4.0.0
Th. 4	A. Sp2
The type of hybridisation of boron in diborane	B. Sp3
is?	C. Sp
	D. dsp2
A. Sp- hybridisation	
B. Sp2- hybridisation	Molecular orbital Theory is also
C. Sp3- hybridisation	called?
D. Sp3d2- hybridisation	
	A. Bonding theory
Which of the following shows electrical	B. Band theory
conduction?	C. Antibondingtheory
	$D.\pi$ and $\sigma$ bonding theory
A. Potassium	
B. Graphite	Formula of Galena is?
C. Diamond	
D. Sodium	A. PbS
	B. HgS

C. AS2S3	A. Soil porocity
D. FeS2	B. Proper growth of plants
	C. Alkalinity of soil
ca by a group of?	D. All
A. Ch3	Substance which is found in dried up lakes of
B. OH	Tibet and California is?
C. OCH3	
D. O2	A. Tincal
	B. Boric acid
Boron is non metal while other elements of	C. Calcium carbonate
IIIA group are metals. This is	D. Colemanite
because ?	
	Which of the following does not give Borax
A. it has small size	bead test?
B. it has high nuclear charge	
C. it forms molecular addition compounds	A. Cu
D. all of the above	B. Cr
	C. Ni
The coloured glassy mass in borax bead test is	D. A1
due to the formation of?	
· · · · · · · · · · · · · · · · · · ·	The metal which is used in thermite process
A. metal borate	because of its activity
B. metal meta borate	is?
C. metal boride	•
D. metal silicate	A. iron
D. Metal silicate	B. copper
If temperature of gallium arsenide is increased	C. aluminium
	GOST
then its conductivity	D. zinc
	D. zinc
then its conductivity will?	GOST
then its conductivity will?  A. decrease	D. zinc  Ethylene diammine is ligand?
then its conductivity will?  A. decrease B. increase	D. zinc  Ethylene diammine is ligand?  A. mono dentate
then its conductivity will?  A. decrease B. increase C. remains constant	D. zinc  Ethylene diammine is ligand?  A. mono dentate  B. Bi dentate
then its conductivity will?  A. decrease B. increase	D. zinc  Ethylene diammine is ligand?  A. mono dentate B. Bi dentate C. tri dentate
then its conductivity will?  A. decrease B. increase C. remains constant D. first decreases then increases	D. zinc  Ethylene diammine is ligand?  A. mono dentate  B. Bi dentate
then its conductivity will?  A. decrease B. increase C. remains constant D. first decreases then increases  Which of the following will decompose to	D. zinc  Ethylene diammine is ligand?  A. mono dentate  B. Bi dentate  C. tri dentate  D. Poly dentate
then its conductivity will?  A. decrease B. increase C. remains constant D. first decreases then increases	Ethylene diammine is ligand?  A. mono dentate  B. Bi dentate C. tri dentate D. Poly dentate  If volumetric analysis methyl orange indicator
then its conductivity will?  A. decrease B. increase C. remains constant D. first decreases then increases  Which of the following will decompose to produce litharge?	D. zinc  Ethylene diammine is ligand?  A. mono dentate  B. Bi dentate  C. tri dentate  D. Poly dentate
then its conductivity will?  A. decrease B. increase C. remains constant D. first decreases then increases  Which of the following will decompose to produce litharge?  A. Pb2O	Ethylene diammine is ligand?  A. mono dentate  B. Bi dentate  C. tri dentate  D. Poly dentate  If volumetric analysis methyl orange indicator is used when?
then its conductivity will?  A. decrease B. increase C. remains constant D. first decreases then increases  Which of the following will decompose to produce litharge?  A. Pb2O B. Pb3O4	Ethylene diammine is ligand?  A. mono dentate  B. Bi dentate  C. tri dentate  D. Poly dentate  If volumetric analysis methyl orange indicator is used when?  A. Acid is strong
then its conductivity will?  A. decrease B. increase C. remains constant D. first decreases then increases  Which of the following will decompose to produce litharge?  A. Pb2O B. Pb3O4 C. PbO2	Ethylene diammine is ligand?  A. mono dentate  B. Bi dentate C. tri dentate D. Poly dentate  If volumetric analysis methyl orange indicator is used when?  A. Acid is strong B. Acid is weak
then its conductivity will?  A. decrease B. increase C. remains constant D. first decreases then increases  Which of the following will decompose to produce litharge?  A. Pb2O B. Pb3O4	Ethylene diammine is ligand?  A. mono dentate B. Bi dentate C. tri dentate D. Poly dentate  If volumetric analysis methyl orange indicator is used when?  A. Acid is strong B. Acid is weak C. Bade is strong
then its conductivity will?  A. decrease B. increase C. remains constant D. first decreases then increases  Which of the following will decompose to produce litharge?  A. Pb2O B. Pb3O4 C. PbO2 D. All of the above	Ethylene diammine is ligand?  A. mono dentate  B. Bi dentate C. tri dentate D. Poly dentate  If volumetric analysis methyl orange indicator is used when?  A. Acid is strong B. Acid is weak
then its conductivity will?  A. decrease B. increase C. remains constant D. first decreases then increases  Which of the following will decompose to produce litharge?  A. Pb2O B. Pb3O4 C. PbO2	Ethylene diammine is ligand?  A. mono dentate B. Bi dentate C. tri dentate D. Poly dentate  If volumetric analysis methyl orange indicator is used when?  A. Acid is strong B. Acid is weak C. Bade is strong D. Acid is strong base is weak
then its conductivity will?  A. decrease B. increase C. remains constant D. first decreases then increases  Which of the following will decompose to produce litharge?  A. Pb2O B. Pb3O4 C. PbO2 D. All of the above  Which of the following is metasilicic acid ?	Ethylene diammine is ligand?  A. mono dentate B. Bi dentate C. tri dentate D. Poly dentate  If volumetric analysis methyl orange indicator is used when?  A. Acid is strong B. Acid is weak C. Bade is strong
then its conductivity will?  A. decrease B. increase C. remains constant D. first decreases then increases  Which of the following will decompose to produce litharge?  A. Pb2O B. Pb3O4 C. PbO2 D. All of the above  Which of the following is metasilicic acid?  A. H2SnO3	Ethylene diammine is ligand?  A. mono dentate  B. Bi dentate C. tri dentate D. Poly dentate  If volumetric analysis methyl orange indicator is used when?  A. Acid is strong B. Acid is weak C. Bade is strong D. Acid is strong base is weak  For the reaction 2HI > H2+ I2
then its conductivity will?  A. decrease B. increase C. remains constant D. first decreases then increases  Which of the following will decompose to produce litharge?  A. Pb2O B. Pb3O4 C. PbO2 D. All of the above  Which of the following is metasilicic acid?  A. H2SnO3 B. H2SiO3	Ethylene diammine is ligand?  A. mono dentate  B. Bi dentate C. tri dentate D. Poly dentate  If volumetric analysis methyl orange indicator is used when?  A. Acid is strong B. Acid is weak C. Bade is strong D. Acid is strong base is weak  For the reaction 2HI > H2+ I2  A. Kp > kc
then its conductivity will	Ethylene diammine is ligand?  A. mono dentate B. Bi dentate C. tri dentate D. Poly dentate  If volumetric analysis methyl orange indicator is used when?  A. Acid is strong B. Acid is weak C. Bade is strong D. Acid is strong base is weak  For the reaction 2HI > H2+ I2  A. Kp > kc B. Kc > kp
then its conductivity will?  A. decrease B. increase C. remains constant D. first decreases then increases  Which of the following will decompose to produce litharge?  A. Pb2O B. Pb3O4 C. PbO2 D. All of the above  Which of the following is metasilicic acid?  A. H2SnO3 B. H2SiO3	Ethylene diammine is ligand?  A. mono dentate B. Bi dentate C. tri dentate D. Poly dentate  If volumetric analysis methyl orange indicator is used when?  A. Acid is strong B. Acid is weak C. Bade is strong D. Acid is strong base is weak  For the reaction 2HI > H2+ I2  A. Kp > kc B. Kc > kp C. Kp= kc
then its conductivity will	Ethylene diammine is ligand?  A. mono dentate B. Bi dentate C. tri dentate D. Poly dentate  If volumetric analysis methyl orange indicator is used when?  A. Acid is strong B. Acid is weak C. Bade is strong D. Acid is strong base is weak  For the reaction 2HI > H2+ I2  A. Kp > kc B. Kc > kp
then its conductivity will	Ethylene diammine is ligand?  A. mono dentate  B. Bi dentate C. tri dentate D. Poly dentate  If volumetric analysis methyl orange indicator is used when?  A. Acid is strong B. Acid is weak C. Bade is strong D. Acid is strong base is weak  For the reaction 2HI > H2+ I2  A. Kp > kc B. Kc > kp C. Kp= kc D. Kp ≤ kc
then its conductivity will	Ethylene diammine is ligand?  A. mono dentate B. Bi dentate C. tri dentate D. Poly dentate  If volumetric analysis methyl orange indicator is used when?  A. Acid is strong B. Acid is weak C. Bade is strong D. Acid is strong base is weak  For the reaction 2HI > H2+ I2  A. Kp > kc B. Kc > kp C. Kp= kc

A. (CH3)2CHOH	C. 36
B. CH3(CH2)OH	D. 40
C. CH3CH2OH	
<b>D.</b> (CH3)3COH	The weight of a metal of equivalent of 12 which
2. (0110)0 0011	will give 0.475g of its chloride is?
If a compound contains 24 gram of carbon 2	vin give 0.472g of its emotitue is
gram of hydrogen and 64 gram of oxygen then	Λ 0.12α
	A. 0.12g
its empirical formula will be?	B. 0.16g
A COMPOSA	C. 0.18g
A. C2H2O4	D. 0.24g
B. CH2	
C. CH2O	The amount of Zinc (at. Wt=65) necessary to
D. CHO2	produce 224 ml of H2 by the reaction with an
	acid will be?
Noble gases are so called zero group because	
they have:?	A. 0.065gm
•	B. 0.65gm
A. Zero Valency	C. 6.5gm
B. Zero Electronegativity	D. 7.5gm
C. Zero Electron Affinity	_ · · · · · · · · · · · · · · · · · · ·
D. Both A and B	Which of the following compounds is not
E. All of these	soluble in HNO3?
E. All of these	soluble iii 111103
W1-4:	A C-C
What is chemical symbol for Tungsten?	A. CuS
. 7	B. CdS
A. Z	C. PbS
B. T	D. AgCl
B. T C. Tn Free of	t Lost
D. W	
Read More Details about this Mcq	
Read More Details about this Mcq	
The composition of 'Golden spangles	
is?	
· · · · · · · · · · · · · · · · · · ·	
A. PbCrO4	
B. PbI2	
C. As2Cr2O7	
D. BaCrO4	
D. Dacioa	
When SO2 solution is passed over which of the	
following it turns green?	
ionowing it turns green:	
A W2C-207	
A. K2Cr2O7	
B. H2SO4	
C. SO3	
D. P2O5	
A beinglout motal bestler and selection of the con-	
A brivalent metal has the equivalent weighr of	
12. The molecular weight to its oxide will	
be?	
A. 24	
B. 32	