

Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Which inorganic precipitate acts as semipermeable membrane?	A. Calcium sulphate B. Barium oxalate C. Nickel phosphate D. <chem>Cu(CN)2</chem>
2	Reaction of ethylamine with chloroform in alcoholic KOH produces	A. <chem>CH3OH</chem> B. <chem>CH3NC</chem> C. <chem>C2H5NH2</chem> D. <chem>C2H5NH2CN</chem>
3	Hess's law deals with	A. Changes in heat or reaction B. Rate of reaction C. Equilibrium constant D. Influence of pressure on volume of a gas
4	Sea weeds are important source of	A. Iron B. Chlorine C. Iodine D. Bromine
5	For preparing an alkane, a concentrated aqueous solution of sodium or potassium salt of saturated carboxylic acid is subjected to	A. Hydrolysis B. Oxidation C. Hydrogenation D. Electrolysis
6	Tollen's reagent is	A. Ammonical cuprous chloride B. Ammonical cuprous oxide C. Ammonical silver bromide D. Ammonical silver nitrate
7	The kinetic theory of gases predicts that total kinetic energy of a gaseous assembly depends on	A. Pressure of the gas B. Temperature of the gas C. Volume of the gas D. Pressure temperature and volume of the gas
8	The wire in the flash bulbs is made up of	A. Mg B. Ba C. Cu D. Ag
9	Causticisation process is used for the preparation of	A. Caustic soda B. Caustic potash C. Baryata solution D. Slaked lime
10	The rotation of two carbon atoms joined by double bond would happen only if	A. Pi bond is broken B. Sigma bond is broken C. Both bonds are broken D. None of above
11	Isopropyl alcohol on oxidation forms	A. Acetone B. Ether C. Ethylene D. Acetaldehyde
12	The vapour density of a gas is 11.2. The volume occupied by 11.2 g of this gas at N.T.P is	A. 22.4 liters B. 11.2 liters C. 1 liter D. 2.24 liters
13	Which of the following metal exhibits more than one oxidation?	A. Na B. Mg C. Fe D. Al
14	When sulphur is boiled with <chem>Na2SO3</chem> solution the compound formed is	A. Sodium sulphides B. Sodium sulphates C. Sodium persulphate D. Sodium thiosulphate
15	Which of the following process is used to separate insoluble particles from liquids?	A. Separation B. Filtration C. Crystallization

D. Condensation

16 The formula of nitre is

A. KNO_3
B. NaNO_3
C. NaCl
D. Na_2CO_3

17 Reaction of acids with alcohols is also known as

A. Esterification
B. Saponification
C. Alkalization
D. None

18 Ionic solids with defects contain

A. Equal number of cation and anion vacancies
B. Interstitial anions and anion vacancies
C. Cation vacancies only
D. Cation vacancies and interstitial cations

19 Setting of cement is an

A. Exothermic reaction
B. Endothermic reaction
C. Neither exothermic nor endothermic
D. None

20 Acetic anhydride is obtained from acetyl chloride by the reaction of

A. $\text{CH}_3\text{Cl} + \text{H}_2\text{O} \rightarrow \text{CH}_3\text{COCl} + \text{H}_2\text{O}$
B. $\text{CH}_3\text{Cl} + \text{H}_2\text{O} \rightarrow \text{CH}_3\text{COCl} + \text{H}_2$
C. $\text{CH}_3\text{Cl} + \text{H}_2\text{O} \rightarrow \text{CH}_3\text{COCl} + \text{NaCl}$
D. $\text{CH}_3\text{Cl} + \text{H}_2\text{O} \rightarrow \text{CH}_3\text{COCl} + \text{Na}_2\text{CO}_3$