

Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	An electrolyte	A. Forms complex ions in solution B. Gives ions only when electricity is passed C. Possesses ions even in solid state D. Gives ions only when dissolved in water
2	Which inorganic precipitate acts as semipermeable membrane?	A. Calcium sulphate B. Barium oxalate C. Nickel phosphate D. Copper ferrocyanide
3	Which of the following has least mass?	A. 2 gram atom of nitrogen B. 3×10^{23} atoms of C C. 1 mole of S D. 7.0 g of Ag.
4	The rate of a reaction that does not involve gases does not depend upon	A. Pressure B. Temperature C. Concentration D. Catalyst
5	A cell constant is generally found by measuring the conductivity of aqueous solution of	A. BaCl_2 B. KCl C. NaCl D. MgCl_2
6	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
7	When electricity is passed through molten $\text{Al}_2\text{O}_3 + \text{Na}_3\text{AlF}_6$ and 13.5 gms Al are deposited, the number of faraday must be	A. 0.5 B. 1.0 C. 1.5 D. 2.0
8	Natural fertilizer provides potassium in the form of K_2O (potash)	A. $14.4444465637207\text{px}; >1.5 \text{ kg}$ B. $14.4444465637207\text{px}; >3 \text{ kg}$ C. $14.4444465637207\text{px}; >4.5 \text{ kg}$ D. $14.4444465637207\text{px}; >6.5 \text{ kg}$
9	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
10	Which of the following geometry is associated with the compound in which the central atom assumes $\text{sp}^3 \text{d}$ hybridization?	A. Planar B. Pyramidal C. Angular D. Trigonal bipyramidal
11	Inter molecular forces in solid hydrogen are	A. $14.4444465637207\text{px}; >\text{Covalent forces}$ B. $14.4444465637207\text{px}; >\text{Van der Waal forces or London dispersion force}$ C. $14.4444465637207\text{px}; >\text{Hydrogen bonds}$ D. $14.4444465637207\text{px}; >\text{All of these}$
		A. More ice will be formed B. ...

12	When pressure is applied to the equilibrium system ice water which of the following phenomenon will happen?	B. Water will evaporate C. More water will be formed D. Equilibrium will not be formed
13	For most of the chemical reaction the rate of reaction	A. Increases as the reaction proceeds B. Decreases as the reaction proceeds C. May increase or decrease during the reaction D. Remains constant as the reaction
14	The IUPAC name of the compound having the formula $(\text{CH}_3)_3\text{C}-\text{CH}=\text{CH}_2$ is	A. 1, 1 -Dimethyl-3-butene B. 1,1,1-Trimethyl-3-propene C. 3,3,-Dimethyl-1-butene D. 3,3,3-Trimethyl-1-propene
15	If the solvent is inflammable for heating purpose we use	A. Ice bath B. Water bath C. Wire gauze D. Thermostat
16	Natural fertilizer from plants and animals provide nitrogen	A. 1.5 kg B. 3.0 kg C. 4.5 kg D. 6 kg
17	An exothermic reaction is one in which the reacting substances	A. Have more energy than the products B. Have less energy than the products C. Have the same energy as the products D. Are at a higher temperature than the products
18	Which of the following belongs to the halogen family?	A. Francium B. Polonium C. Radium D. Astatine
19	The total pressure exerted by a number of non reacting gases is equal to the sum of partial pressure of the gases under the same conditions is known as	A. Boyle's law B. Charles's law C. Avogadro's law D. Dalton's law
20	Hybridization explain the----- of orbitals	A. Type of Bonding B. Shapes C. Shape and Type of bonding D. None of above