

Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	The percentage of oxygen in NaOH is	A. 40 B. 60 C. 8 D. 10
2	Which of the following is a colligative property?	A. Melting point B. Osmotic pressure C. Freezing point D. Sublimation temperature
3	The order of reactivity of halogens in aliphatic substitution reactions is	A. Br ₂ > Cl ₂ > F ₂ B. Cl ₂ > Br ₂ > F ₂ C. Cl ₂ > Br ₂ D. F ₂ > Br ₂ > Cl ₂
4	Hybridization explain the----- of orbitals	A. Type of Bonding B. Shapes C. Shape and Type of bonding D. None of above
5	In the manufacture of iron from haematite, limestone is added to act as.	A. Flux B. A reducing C. Slag D. An oxidizing agent.
6	Which of the following mineral does not contain Al?	A. Cryolite B. Mica C. Feldspar D. Fluorspar
7	At 500 K the equilibrium constant for reaction cis-C ₂ H ₂ Cl ₂ trans-C ₂ H ₂ Cl ₂ is 0.6. At the same temperature the equilibrium constant for the reaction trans-C ₂ H ₂ Cl ₂ cis-C ₂ H ₂ Cl ₂ will be	A. 0.60 B. 1.67 C. 0.66 D. 2.6
8	Reaction of ethylamine with chloroform in alcoholic KOH produces	A. CH ₃ OH B. CH ₃ NC C. C ₂ H ₅ NC D. C ₂ H ₅ CN
9	A solution of sodium sulphate was electrolysed using some inert electrodes. The products at the electrodes are	A. O ₂ , H ₂ B. O ₂ , Na ₂ O C. O ₂ , SO ₂ D. O ₂ , S
10	Fluorine does not show positive oxidation states due to the absence of	A. d-orbitals B. s-orbitals C. p-orbitals D. None
11	Which of the following represents elements in order of increasing atomic size?	A. I, Br, Cl B. Na, Mg, C C. C, N, O D. Li, Na, K
12	A clathrate may be defined as a	A. Cage compound B. Liquid crystal C. Mixture D. Solid solution

13	Gooch crucible is used for the filtration of precipitates having	A. High solubility B. High concentration C. High ignition temperature D. Low temperature
14	In a reversible chemical reaction having two reactants in equilibrium if the concentration of the reactants are doubled then the equilibrium constant will	A. Also be doubled B. Be halved C. Becomes one fourth D. Remains the same
15	The number of electrons in the M shell of the element with number 24 is	A. 24 B. 12 C. 13 D. 8
16	Which of the following pairs are chemically dissimilar?	A. Na and K B. Ba and Sr C. Zr and Hf D. Ca and Zn
17	The heats evolved in combustion of rhombic and monoclinic sulphur are - 70960 and - 71030 cal mol ⁻¹ respectively what will be heat of conversion of rhombic sulphur to monoclinic?	A. 70960 calories B. 71030 calories C. -70 calories D. +70 calories
18	Among alkali metal salts, the lithium salts are the poorest conductors of electricity in aqueous solution because of	A. Easy diffusion of Li ⁺ ions B. Lower ability of Li ⁺ ions to polarize water molecules C. Lowest charge to radius ratio D. Higher degree of hydration of Li ⁺ ions.
19	The main structure features of proteins is	A. An ester linkage B. An ether linkage C. The peptide linkage D. All
20	Which of the following belongs to the halogen family?	A. Francium B. Polonium C. Radium D. Astatine