

Chemistry General Science Test Hard Mode

| Sr | Questions | Answers Choice |
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| 1 | During the folding of filter paper the apex form angle of about | A. 80 ^o B. 60 ^o C. 180 ^o D. 90 ^o |
| 2 | Sodium metal cannot be stored under | A. Benzene B. Kerosene oil C. Alcohol D. Toluene |
| 3 | Potassium crystallizes with a | A. Orthogonal lattice B. Cubic lattice C. Triclinic D. Ortho rhombic lattice |
| 4 | At 500 K the equilibrium constant for reaction $\text{cis-C}_2\text{H}_2\text{Cl}_2 \rightleftharpoons \text{trans-C}_2\text{H}_2\text{Cl}_2$ is 0.6. At the same temperature the equilibrium constant for the reaction $\text{trans-C}_2\text{H}_2\text{Cl}_2 \rightleftharpoons \text{cis-C}_2\text{H}_2\text{Cl}_2$ will be | A. 0.60 B. 1.67 C. 0.66 D. 2.6 |
| 5 | The molal elevation constant is the ratio of the elevation in boiling point to | A. Molarity B. Molality C. Mole fraction of solute D. Mole fraction of solvent |
| 6 | Cyclone collector is used for minimizing | A. Radioactive pollution B. Air pollution C. Noise pollution D. Water pollution |
| 7 | Which is the most amphoteric? | A. Na_2O B. MgO C. Al_2O_3 D. CaO |
| 8 | The reference calomel electrode is made from which of the following? | A. ZnCl_2 B. CuSO_4 C. Hg_2Cl_2 D. HgCl_2 |
| 9 | Tollen's reagent is | A. Ammonical cuprous chloride B. Ammonical cuprous oxide C. Ammonical silver bromide D. Ammonical silver nitrate |
| 10 | Water (H_2O) is liquid while hydrogen sulphide (H_2S) is a gas because | A. Water has higher molecular weight B. Hydrogen sulphide is a weak acid C. Sulphur has high electronegativity than oxygen D. Water molecules associate through hydrogen bonding. |
| 11 | A zero order reaction is one whose rate is independent of | A. Temperature of the reaction B. The concentration of the reactants C. The concentration of the products D. The material of the vessel in which the reaction is carried out |
| 12 | Which of the following mineral does not contain Al? | A. Cryolite B. Mica C. Feldspar D. Fluorspar |
| 13 | Which of the following is a molecular disease? | A. Allergy B. Cancer C. German measles D. Sick cell anemia |
| 14 | 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

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| 15 | Crystal can be classified in to basic crystal habits | A. 7 B. 4 C. 14 D. 3 |
| 16 | Which of the following is different from the other three oxides? | A. MgO B. SnO C. ZnO D. Cr_2O_3 |
| 17 | Variable valency is generally exhibited by | A. Normal elements B. Transition elements C. Metallic elements D. None of these |
| 18 | The relative rates of diffusion of a gas (Mol. wt. - 98) as compared to hydrogen will be | A. 1/7 B. 1/5 C. 1/4 D. 1 |
| 19 | Enzymes are | A. Proteins B. Mineral C. Oils D. Fatty acids |
| 20 | Which has the largest radius? | A. CO_3^{2+} B. Mn^{3+} C. Fe^{3+} D. Cr^{3+} |
