

Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Which of the following statements is most appropriate about effective nuclear charge? It depends upon	A. The shielding constant B. The atomic number C. The charge on the nucleus D. Both the nuclear charge and the shielding constant
2	Inter molecular forces in solid hydrogen are	A. Covalent forces B. Van der Waal forces or London dispersion force C. Hydrogen bonds D. All of these
3	In crystal structure of sodium chloride the arrangement of Cl^- ions is	A. Fee B. Both fee and bcc C. Bee D. None of these
4	At room temperature formaldehyde is	A. Gas B. Liquid C. Solid D. None of the above
5	An endothermic reaction is one in which	A. Heat is converted into electricity B. Heat is absorbed C. Heat is evolved D. Heat is converted into mechanical work
6	Which one of the following compounds does not exist?	A. NCl_5 B. AsF_5 C. SbCl_5 D. PF_5
7	Salol is prepared from	A. Salicylic acid and phenol B. Salicylic acid and methyl alcohol C. Both D. None
8	Hybridization explain the----- of orbitals	A. Type of Bonding B. Shapes C. Shape and Type of bonding D. None of above
9	Magnesium keeps on burning in	A. N_2 B. CO_2 C. N_2O D. N_2 as well as CO_2
10	Cyclone collector is used for minimizing	A. Radioactive pollution B. Air pollution C. Noise pollution D. Water pollution
11	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
12	Variable valency is generally exhibited by	A. Normal elements B. Transition elements C. Metallic elements D. None of these

A. $2.4 \times 10^{-18} \text{ J}$
B. $4.2 \times 10^{-18} \text{ J}$

13	If N_A is Avogadro's number then number of valence electrons in 4.2 g of nitride ions N^{3-} is	<div>14.44444465637207px;">N<sub>A</sub></div> <div>C. 1.6</div> <div>14.44444465637207px;">N<sub>A</sub></div> <div>D. 3.2</div> <div>14.44444465637207px;">N<sub>A</sub></div>
14	Portland cement is manufactured by using	<div>A. Limestone, clay and sand</div> <div>B. Limestone, gypsum and sand</div> <div>C. Limestone, gypsum and alumina</div> <div>D. Limestone, clay and gypsum</div>
15	Sodium metal cannot be stored under	<div>A. Benzene</div> <div>B. Kerosene oil</div> <div>C. Alcohol</div> <div>D. Toluene</div>
16	Which inorganic precipitate acts as semipermeable membrane?	<div>A. Calcium sulphate</div> <div>B. Barium oxalate</div> <div>C. Nickel phosphate</div> <div>D. Copper ferrocyanide</div>
17	Which of the following statement regarding catalyst is not true?	<div>A. A catalyst remains unchanged in composition and quantity at the end of the reaction</div> <div>B. A catalyst can initiate a reaction</div> <div>C. A catalyst dose not alter the equilibrium in a reversible reaction</div> <div>D. Catalysts are sometimes very specific in respect of reaction</div>
18	Which is the most amphoteric?	<div>A. Na_2O</div> <div>B. MgO</div> <div>C. Al_2O_3</div> <div>D. CaO</div>
19	When quantity of electricity passed is one faraday then the mass deposited at the electrode is equal to	<div>A. One gm. atomic weight</div> <div>B. One gm. Equivalent weight</div> <div>C. Electrochemical equivalent</div> <div>D. None of the above</div>
20	The treatment of benzene with isobutene in the presence of sulphuric acid give	<div>A. Isobutyl benzene</div> <div>B. Tert-Butyl benzene</div> <div>C. n-Butyl benzene</div> <div>D. no reaction</div>