

Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Which of the following transition metal ions will have definite value of magnetic moment?	<p>A. Sc^{3+}</p> <p>B. Ti^{3+}</p> <p>C. Cu^{+}</p> <p>D. Zn^{2+}</p>
2	A clathrate may be defined as a	<p>A. Cage compound</p> <p>B. Liquid crystal</p> <p>C. Mixture</p> <p>D. Solid solution</p>
3	Which of the following metal exhibits more than one oxidation?	<p>A. Na</p> <p>B. Mg</p> <p>C. Fe</p> <p>D. Al</p>
4	Which of the following has least mass?	<p>A. 2 gram atom of nitrogen</p> <p>B. 3×10^{23} atoms of C</p> <p>C. 1 mole of S</p> <p>D. 7.0 g of Ag.</p>
5	Bleaching action of bleaching powder is due to the liberation of	<p>A. O_2</p> <p>B. OCl_2</p> <p>C. Cl_2</p> <p>D. Cl_2O</p>
6	Which of the following is acidic?	<p>A. SO_3</p> <p>B. N_2O</p> <p>C. BeO</p> <p>D. HgO</p>
7	Sulphure dioxide affects	<p>A. Cell wall</p> <p>B. Plasmodesmata</p> <p>C. All membrane systems</p> <p>D. Nucleus</p>
8	The molal elevation constant is the ratio of the elevation in boiling point to	<p>A. Molarity</p> <p>B. Molality</p> <p>C. Mole fraction of solute</p> <p>D. Mole fraction of solvent</p>
9	The halide which is not hydrolysed is	<p>A. SiCl_4</p> <p>B. SiF_4</p> <p>C. CCl_4</p> <p>D. PbCl_4</p>
10	In which molecule carbon atom is sp^2 hybridized	<p>A. CH_4</p> <p>B. C_2H_4</p> <p>C. C_2H_2</p> <p>D. None of the above</p>
11	The following has zero valency	<p>A. Na</p> <p>B. Be</p> <p>C. Al</p> <p>D. Kr</p>
12	Which of the following is not present in RNA?	<p>A. Uracil</p> <p>B. Thymine</p> <p>C. Ribose</p> <p>D. Phosphate</p>
13	An endothermic reaction is one in which	<p>A. Heat is converted into electricity</p> <p>B. Heat is absorbed</p> <p>C. Heat is evolved</p> <p>D. Heat is converted into mechanical work</p>
14	The formula of nitre is	<p>A. KNO_3</p> <p>B. NaNO_3</p> <p>C. NaCl</p> <p>D. Na_2CO_3</p>
		<p>A. An exothermic change</p>

15	Evaporation of water is	<p>B. An endothermic change</p> <p>C. A process where no heat changes occur</p> <p>D. A process accompanied by chemical</p>
16	A zero order reaction is one whose rate is independent of	<p>A. Temperature of the reaction</p> <p>B. The concentration of the reactants</p> <p>C. The concentration of the products</p> <p>D. The material of the vessel in which the reaction is carried out</p>
17	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	<p>A. Boyle's law</p> <p>B. Charle's law</p> <p>C. Avogadro's law</p> <p>D. Dalton's law</p>
18	Which one is not a pollutant normally?	<p>A. Hydrocarbons</p> <p>B. Carbon dioxide</p> <p>C. Carbon monoxide</p> <p>D. Sulphur dioxide</p>
19	The number of atoms contained in 11.2 L of SO ₂ at S.T.P are	<p>A. $\frac{3}{2} \times 6.02 \times 10^{23}$</p> <p>B. $2 \times 6.02 \times 10^{23}$</p> <p>C. 6.02×10^{23}</p> <p>D. $4 \times 6.02 \times 10^{23}$</p>
20	Setting of plaster of paris involves	<p>A. Oxidation with atmospheric oxygen</p> <p>B. Combination with atmosphere CO₂</p> <p>C. Dehydration</p> <p>D. Hydration to yield another hydrate.</p>