

Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Which of the following belongs to the halogen family?	A. Francium B. Polonium C. Radium D. Astatine
2	How many moles of Helium gas occupy 22.4 L at 0°C at 1 atm. Pressure?	A. 0.11 B. 0.90 C. 1.0 D. 1.11
3	Natural fertilizer provides phosphorus to plants in the form of P ₂ O ₅	A. 1.2 kg B. 2.2 kg C. 3.2 kg D. 4 kg
4	Benzene is obtained by fractional distillation of	A. Heavy oil B. Anthracene oil C. Middle oil D. Light oil
5	Which one is not usually used for the crystallization	A. Acetone B. Acetic acid C. Sulphuric acid D. Chloroform
6	Which of the substances Na, Hg, S, Pt and graphite can be used as electrodes in electrolytic cells having aqueous solution?	A. Na, Pt and graphite B. Na and Hg C. Pt and graphite only D. Na and S only
7	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
8	Sodium metal cannot be stored under	A. Benzene B. Kerosene oil C. Alcohol D. Toluene
9	Which of the following statement regarding catalyst is not true?	A. A catalyst remains unchanged in composition and quantity at the end of the reaction B. A catalyst can initiate a reaction C. A catalyst does not alter the equilibrium in a reversible reaction D. Catalysts are sometimes very specific in respect of reaction
10	Which of the following metal exhibits more than one oxidation?	A. Na B. Mg C. Fe D. Al
11	The rotation of two carbon atoms joined by double bond would happen only if	A. Pi bond is broken B. Sigma bond is broken C. Both bonds are broken D. None of above
12	The mass of the neutron is of the order of	A. 10 ⁻²³ kg B. 1.44444465637207 × 10 ⁻²⁴ kg C. 1.44444465637207 × 10 ⁻²⁶ kg D. 1.44444465637207 × 10 ⁻²⁷ kg
		A. More ice will be formed

13	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
14	Which of the following is an example of body centred cube?	A. Magnesium B. Zinc C. Copper D. Sodium
15	Which of the following fluorides does not exist?	A. NF_5 B. PF_5 C. AsF_5 D. SbF_5
16	The main structure features of proteins is	A. An ester linkage B. An ether linkage C. The peptide linkage D. All
17	Hybridization explain the----- of orbitals	A. Type of Bonding B. Shapes C. Shape and Type of bonding D. None of above
18	All the naturally occurring processes proceed spontaneously in a direction which lead to	A. Decrease of entropy B. Increase of enthalpy C. Increase of free energy D. Decrease of free energy
19	BiCl_3 on hydrolysis forms a white precipitate of	A. Bismuthio is acid B. Bismuth oxychloride C. Bismuth pentachloride D. Bismuth hydroxide
20	Which one of the following has the lowest boiling point?	A. B B. Al C. Ga D. Ti