

Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	The unit of rate constant for a zero order reaction is	A. Liter sec ⁻¹ B. Liter mol⁻¹ sec⁻¹ C. Mol liter⁻¹ sec⁻¹ D. Mol sec⁻¹
2	Water (H ₂ O) is liquid while hydrogen sulphide (H ₂ S) 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.
3	Dilute hydrochloric acid solution cannot be concentrated by boiling beyond	A. 11% B. 33% C. 44% D. 22%
4	The substance used as a smoke screen in warfare is	A. SiCl ₄ B. PH ₃ C. PCl ₅ D. Acetylene
5	Addition of iron filling to CuSO ₄ solution caused precipitation of Cu awing to the	A. Reduction of Cu ²⁺ B. Oxidation of Cu ²⁺ C. Reduction of Fe D. Reduction of Fe ³⁺
6	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
7	Octane number can be changed by	A. Isomerisation B. Alkylation C. Cyclisation D. All of these
8	Number of elements presents in the fifth period of periodic table is	A. 8 B. 10 C. 18 D. 32
9	Alum is not used	A. As a mordant in dyeing B. As an insecticide C. In purification of water D. In tanning of leather
10	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
11	The treatment of benzene with isobutene in the presence of sulphuric acid give	A. Isobutyl benzene B. Tert-Butyl benzene C. n-Butyl benzene D. no reaction
12	Ascorbic acid is a chemical name of	A. Vitamin D B. Vitamin A C. Vitamin C D. Vitamin B ₆
13	Heating a micture of sodium benzoate and soda lime gives	A. Benzene B. Methane C. Sodium benzoate D. Calcium benzoate

14	Which one is primary alcohol?	<p>A. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$</p> <p>B. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$</p> <p>C. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$</p> <p>D. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$</p>
15	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>
16	Which of the following is an example of body centred cube?	<p>A. Magnesium</p> <p>B. Zinc</p> <p>C. Copper</p> <p>D. Sodium</p>
17	Chile salt petre is	<p>A. NaNO_3</p> <p>B. Na_2SO_4</p> <p>C. KNO_3</p> <p>D. $\text{Na}_2\text{S}_2\text{O}_3$</p>
18	Portland cement is manufactured by using	<p>A. Limestone, clay and sand</p> <p>B. Limestone, gypsum and sand</p> <p>C. Limestone, gypsum and alumina</p> <p>D. Limestone, clay and gypsum</p>
19	What quantity of limestone (CaCO_3) on heating will give 56 kg of CaO ?	<p>A. 1000 kg</p> <p>B. 56 kg</p> <p>C. 44 kg</p> <p>D. 100kg</p>
20	Maximum number of active hydrogens are present in	<p>A. Acetic-acid</p> <p>B. Glycerol</p> <p>C. Methane</p> <p>D. Methanol</p>