

Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Which of the following metal exhibits more than one oxidation?	A. Na B. Mg C. Fe D. Al
2	Which quantum number is sufficient to describe the electron in hydrogen atom?	A. / B. n C. m D. s
3	Which of the following has least mass?	A. 2 gram atom of nitrogen B. 3×10^{23} atoms of C C. 1 mole of S D. 7.0 g of Ag.
4	Rusting of iron is catalysed by	A. Fe B. O_2 C. Zn D. H^+
5	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
6	When electrons revolve in stationary orbits	A. There is no change in energy level B. They become stationary C. They are gaining kinetic energy D. There is increase in energy
7	Which of the following has linear shape?	A. SP B. SP^2 C. SP^3 D. None of the above
8	The main structure features of proteins is	A. An ester linkage B. An ether linkage C. The peptide linkage D. All
9	The order of reactivity of halogens in aliphatic substitution reactions is	A. $Br_2 > Cl_2 > F_2$ B. $Cl_2 > Br_2 > F_2$ C. $Cl_2 > Br_2 > F_2$ D. $F_2 > Br_2 > Cl_2$
10	Which of the following statement is correct if the intermolecular forces in liquids A, B and C are in the order $A < B < C$?	A. B evaporates more readily than A B. B evaporates less readily than C C. A and B evaporates at the same rate D. A evaporates more readily than C
11	At room temperature formaldehyde is	A. Gas B. Liquid C. Solid D. None of the above
12	A solution of sodium sulphate was electrolysed using some inert electrodes. The products at the electrodes are	A. O_2 , H_2 B. O_2 , SO_2 C. O_2 , SO_2 D. O_2 , SO_2
13	Which one of the following elements occurs free in nature?	A. N B. P C. S D. Fe

		C. As D. Sb
14	The IUPAC name of the compound having the formula $(\text{CH}_3)_3\text{C}-\text{CH}=\text{CH}_2$ is	A. 1, 1 -Dimethyl-3-butene B. 1,1,1-Trimethyl-3-propene C. 3,3,-Dimethyl-1-butene D. 3,3,3-Trimethyl-1-propene
15	Dehydration of glycerol give	A. Propane B. Propene C. Acrolein D. Benzene
16	On heating acetaldehyde with ammonical silver nitrate solution we get	A. CH_3COOH B. Silver acetate C. HCHO D. Silver mirror
17	The ratio of close packed atoms to tetrahedral holes in cubic close packing is	A. 1 : 1 B. 1 : 2 C. 1 : 3 D. 2 : 1
18	The disaccharide present in milk is	A. Sucrose B. Maltose C. Lactose D. Cellobiose
19	Which of the following has greatest tendency to lose electron?	A. F B. Fr C. S D. Be
20	Which of the following value of ΔH_f° represent that the product is least stable?	A. $-94.0 \text{ kcal mol}^{-1}$ B. $-231.6 \text{ kcal mol}^{-1}$ C. $+21.4 \text{ kcal mol}^{-1}$ D. $+64.8 \text{ kcal mol}^{-1}$