

## Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Hydrogen chloride molecule contains	<p>A. Covalent bond            B. Double bond            C. Co-ordinate bond            D. Electrovalent bond</p>
2	The movement of solvent molecules through a semipermeable membrane is called	<p>A. Electrolysis            B. Electrophoresis            C. Osmosis            D. Cataphoresis</p>
3	In Friedal-Craft's alkylation besides $AlCl_3$ the other reactants are	<p>A. <math>C_6H_6 + NH_3</math>            B. <math>C_6H_6 + CH_4</math>            C. <math>C_6H_6 + CH_3Cl</math>            D. <math>C_6H_6 + CH_3COCl</math></p>
4	Which one of the halogen acid is a liquid?	<p>A. HF            B. HCl            C. HBr            D. HI</p>
5	Cheif air pollutant which is likely to deplete ozone layer	<p>A. Sulphure dioxide            B. Carbon dioxide            C. Carbon dioxide            D. Nitrogen oxides and chloro fluorocarbons</p>
6	1-Chloropropane has two isomers It is an example of	<p>A. Chain isomerism            B. Position isomerism            C. Functional group isomerism            D. Metamerism</p>
7	In crystal structure of sodium chloride the arrangement of $Cl^-$ ions is	<p>A. Fee            B. Both fee and bcc            C. Bee            D. None of these</p>
8	Which of the following does not reflect the periodicity of elements?	<p>A. Bonding behaviour            B. Electronegativity            C. Ionisation potential            D. Neutron/proton ratio.</p>
9	The symbol of the element whose atoms have the outer most electronic configuration $2s^2 2p^3$ is	<p>A. N            B. Li            C. P            D. Na</p>
10	Which of the following fluorides does not exist?	<p>A. <math>NF_5</math>            B. <math>PF_5</math>            C. <math>AsF_5</math>            D. <math>SbF_5</math></p>
11	In the equilibrium $N_2 + 3H_2 - 2NH_3 + 22 \text{ kcal}$ the formation of ammonia is favoured by	<p>A. Increasing the pressure            B. Increasing the temperature            C. Decreasing the pressure            D. Adding ammonia</p>
12	Rusting of iron is catalysed by	<p>A. Fe            B. <math>O_2</math>            C. Zn            D. <math>H^+</math></p>
13	Toluene can be oxidized to benzoic acid by	<p>A. <math>KMnO_4</math> (alk)            B. <math>K_2Cr_2O_7</math>            C. Both            D. None</p>

14	The vapour density of a gas is 11.2 The volume occupied by 11.2 g of this gas at N.T.P is	A. 22.4 liters B. 11.2 liters C. 1 liter D. 2.24 liters
15	The rate at which a substance reacts depends on its	A. Atomic weight B. Equivalent weight C. Molecular weight D. Active mass
16	Magnesium keeps on burning in	A. $N_2$ B. $CO_2$ C. $N_2O$ D. $N_2$ as well as $CO_2$
17	Pollutant of automobile exhausts that affects nervous system/produces mental diseases is	A. <span style="font-size: 14.44444465637207px;">Mercury</span> B. <span style="font-size: 14.44444465637207px;">Lead</span> C. <span style="font-size: 14.44444465637207px;">Nitrogen oxide</span> D. <span style="font-size: 14.44444465637207px;">Sulphur oxide</span>
18	Which of the following pairs are chemically dissimilar?	A. Na and K B. Ba and Sr C. Zr and Hf D. Ca and Zn
19	In which molecule carbon atom is $sp^2$ hybridized	A. $CH_4$ B. $C_2H_4$ C. $C_2H_2$ D. None of the above
20	The formula of nitre is	A. $KNO_3$ B. $NaNO_3$ C. NaCl D. $Na_2CO_3$