

## Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Most common reactions of benzene and its derivatives are	A. Electrophilic addition reactions B. Electrophilic substitution reactions. C. Nucleophilic addition reactions D. Nucleophilic substitution reactions
2	Which of the following species participate in sulphonation of benzene ring?	A. $\text{H}_2\text{SO}_4$ B. $\text{HSO}_3^-$ C. $\text{SO}_3$ D. $\text{SO}_2$
3	Addition of iron filling to $\text{CuSO}_4$ solution caused precipitation of Cu owing to the	A. Reduction of $\text{Cu}^{2+}$ B. Oxidation of $\text{Cu}^{2+}$ C. Reduction of Fe D. Reduction of $\text{Fe}^{3+}$
4	Which one of the following compounds does not exist?	A. $\text{NCl}_5$ B. $\text{AsF}_5$ C. $\text{SbCl}_5$ D. $\text{PF}_5$
5	If the solvent is inflammable for heating purpose we use	A. Ice bath B. Water bath C. Wire gauze D. Thermostat
6	Which of the substances Na, Hg, S Pt and graphic 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	$\text{SO}_2$ and $\text{NO}_2$ pollution by increasing	A. Alkalinity B. Acidity C. Neutrality D. Buffer action
8	Which of the following geometry is associated with the compound in which the central atom assumes $\text{sp}^3\text{d}$ hybridization?	A. Planar B. Pyramidal C. Angular D. Trigonal bipyramidal
9	Red lead is	A. $\text{PbO}$ B. $\text{Pb}_3\text{O}_4$ C. $\text{PbO}$ D. $\text{Pb}_4\text{O}_3$
10	Cyclone collector is used for minimizing	A. Radioactive pollution B. Air pollution C. Noise pollution D. Water pollution
11	The valence orbital configuration of an element with atomic number 23 is	A. $3d^5$ B. $3d^3, 4s^3$ C. $3d^3, 4s^2$ D. $3d^3, 4s^1$

14.44444465637207px; >4s</span>  
<sup>2</sup>,<span style="font-size:  
14.44444465637207px;">4p</span>  
<sup>1</sup>

12	The following has zero valency	A. Na B. Be C. Al D. Kr
13	The most reactive compound for electrophilic nitration will be	A. Benzyl chloride B. Benzoic acid C. Nitrobenzene D. Chlorobenzene
14	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
15	Alum is not used	A. As a mordant in dyeing B. As an insecticide C. In purification of water D. In tanning of leather
16	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
17	Sulphure dioxide affects	A. Cell wall B. Plasmodesmata C. All membrane systems D. Nucleus
18	Which of the following is directly related to Qualitative analysis?	A. Identification B. Separation C. Measurement D. Calculation
19	1 mole of $CH_4$ contains	A. $6.02 \times 10^{23}$ atoms of H B. 4 g-atom of hydrogen C. $1.81 \times 10^{23}$ molecules of $CH_4$ D. 3.0 g of carbon
20	Natural fertilizer provides potassium in the form of $K_2O$ (potash)	A. 1.5 kg B. 3 kg C. 4.5 kg D. 6.5 kg