

Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	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
2	Which of the following method is most appropriate for the manufacture of methane?	A. By reduction of CH_2Cl_2 B. Wurtz reaction C. Liquification of natural gas D. None of these
3	Which one of the following has the lowest boiling point?	A. B B. Al C. Ga D. Ti
4	Which of the following compounds has the lowest anion to cation size ratio?	A. LiF B. NaF C. CsI D. CsF
5	Cyclone collector is used for minimizing	A. Radioactive pollution B. Air pollution C. Noise pollution D. Water pollution
6	Which of the following elements is most electronegative?	A. Oxygen B. Chlorine C. Nitrogen D. Fluorine
7	Water (H_2O) is liquid while hydrogen sulphide (H_2S) 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.
8	Sodium metal cannot be stored under	A. Benzene B. Kerosene oil C. Alcohol D. Toluene
9	The reaction/method that does not give an alkane is	A. Catalytic hydrogenation of alkanes B. Wurtz reaction C. Hydrolysis of alkyl magnesium bromide D. Dehydrohalogenation of an alkyl halide.
10	Which of the following will not change the concentration of ammonia in the equilibrium $\text{N}_2(\text{g}) + 3\text{H}_2(\text{g}) \rightleftharpoons 2\text{NH}_3(\text{g})$; $\Delta H = -\text{kJ}$	A. Increase of pressure B. Increase of temperature C. Decrease of volume D. Addition of catalyst
11	The number of atoms contained in 11.2 L of SO_2 at S.T.P are	A. $\frac{3}{2} \times 6.02 \times 10^{23}$ B. $2 \times 6.02 \times 10^{23}$ C. 6.02×10^{23} D. $4 \times 6.02 \times 10^{23}$
12	The effect of increasing the pressure on the following equilibrium $2\text{A} + 3\text{B} \rightleftharpoons 3\text{A} + 2\text{B}$ is	A. Forward reaction is favoured B. Backward reaction is favoured C. No effect D. None of the above
13	Which of the following has greatest reducing power?	A. HI B. HBr C. HCl D. Hl
14	Vitamin A is present in	A. Liver B. Milk C. ...

		C. Green vegetables D. All
15	The addition of HBr is easiest with	A. $\text{CH}_2 = \text{CHCl}$ B. $\text{ClCH} = \text{CHCl}$ C. $\text{CH}_3 - \text{CH} = \text{CH}_2$ D. $(\text{CH}_3)_2\text{C} = \text{CH}_2$
16	The dimension of rate constant of a second order reaction involves	A. Neither time nor concentration B. Only time C. Time and concentration D. Time and square of concentration
17	Bromine is obtained on a commercial scale from	A. Caliche B. Carnallite C. Common salt D. Cryolite
18	1-Chloropropane has two isomers It is an example of	A. Chain isomerism B. Position isomerism C. Functional group isomerism D. Metamerism
19	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 , NaOH C. O_2 , SO_2 D. O_2 , S
20	Carbon monoxide is pollutant as it	A. Inactivates nerves B. Inhibits glycolysis C. Combines with oxygen D. Combines with hemoglobin