

Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	In Friedal-Craft's alkylation besides AlCl_3 the other reactants are	A. $\text{C}_6\text{H}_6 + \text{NH}_3$ B. $\text{C}_6\text{H}_6 + \text{CH}_4$ C. $\text{C}_6\text{H}_6 + \text{CH}_3\text{Cl}$ D. $\text{C}_6\text{H}_6 + \text{CH}_3\text{COCl}$
2	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. $\text{O}_2, \text{Na}_2\text{SO}_4$ D. O_2, S
3	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 halid.
4	Leblanc process is employed in the manufacture of	A. Baking soda B. Washing soda C. Potash D. Plaster of paris
5	The rate of reaction between A and B increases by a factor of 100 when the concentration with respect to A is increased 10 folds the order of reaction w.r.t A is	A. 10 B. 1 C. 4 D. 2
6	The symbol of the element whose atoms have the outer most electronic configuration $2s^2 2p^3$ is	A. N B. Li C. P D. Na
7	What quantity of limestone (CaCO_3) on heating will give 56 kg of CaO ?	A. 1000 kg B. 56 kg C. 44 kg D. 100kg
8	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
9	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
10	Chile salt petre is	A. NaNO_3 B. Na_2SO_4 C. KNO_3 D. $\text{Na}_2\text{S}_2\text{O}_3$
11	When KClO_3 is heated it decomposes into KCl and O_2 if some MnO_2 is added the reaction goes much faster because	A. MnO_2 decomposes to give O_2 B. MnO_2 provides heat by reacting C. Better contact is provided by MnO_2 D. MnO_2 acts as a catalyst
		A. Acetone

12	Which one is not usually used for the crystallization	B. Acetic acid C. Sulphuric acid D. Chloroform
13	Portland cement is manufactured by using	A. Limestone, clay and sand B. Limestone, gypsum and sand C. Limestone, gypsum and alumina D. Limestone, clay and gypsum
14	Chief air pollutant which is likely to deplete ozone layer	A. Sulphure dioxide B. Carbon dioxide C. Carbon dioxide D. Nitrogen oxides and chloro fluorocarbons
15	Heating a mixture of sodium benzoate and soda lime gives	A. Methane B. Benzene C. Sodium benzene D. Calcium benzoate
16	For the carbylamine reaction we need hot alc.KOH and	A. Any amin and chloroform B. Chloroform and Ag powder C. A primary amine and chloroform D. A mono alkyl amine and trichlorom-ethane
17	The rotation of two carbon atoms joined by double bond would happened only if	A. Pi bond is broken B. Sigma bond is broken C. Both bonds are broken D. None of above
18	Inert pair effect plays an important role in case of	A. F B. Al C. Si D. Tl
19	Hydrogen chloride molecule contains	A. Covalent bond B. Double bond C. Co-ordinate bond D. Electrovalent bond
20	Hydrolytic conversion of sucrose into glucose and fructose is known as	A. Induction B. Inversion C. Insertion D. Inhibition