


ECAT Chemistry Chapter 21 Alkyl Halides

Sr	Questions	Answers Choice
1	Which of the following reacts with chloroform and base to form phenyl isocynaide?	A. Nitrobenzene B. Phenol C. Chlorobenzene D. Aniline
2	Alkyl halides are considered to be very reactive compounds towards nucleophiles, because:	A. They have an electrophilic carbon B. They have an electrophilic carbon and good living gorup C. They have an electrophilic carbon and bad living group D. They have an nucleophilic carbon and good living gorup
3	The general formula of alkyl halides is	A. $C_nH_{2n}X$ B. $C_nH_{2n-1}X$ C. $C_nH_{2n+1}X$ D. $C_nH_{2n-2}X$
4	With the increase in size of halogen atom the reactivity of an alkyl halide	A. Increases B. Decreases C. Remain constant D. None of these
5	A reaction in which an atom or a group of atoms replaces an atom or a group of atoms in the molecule of a substance is known as	A. Addition reaction B. Condensation reaction C. Elimination reaction D. Substitution reaction
6	Question Image 	A. Primary alkyl halide B. Secondary alkyl halide C. Tertiary alkyl halide D. None of these
7	Primary carbon attaches with other hydrogen atoms directly:	A. One B. Two C. Three D. At least one or more than it
8	What is the total number of different chloroethanes of formula $C_2H_{6-n}Cl_n$ possible (n may be 1 to 6)	A. 6 B. 8 C. 9 D. 10
9	SN_2 reaction has order of reaction :	A. First B. Second C. Third D. Zero
10	The rate of E_1 reaction depends upon:	A. The concentration of substrate B. The concentration of nucleophile C. The concentration of substrate as well as nucleophile D. None of these
11	How many monochlorobutanes will be possible on chlorination of n-butane?	A. 1 B. 2 C. 3 D. 5
12	Ethyl bromide is formed by the reaction of HBr with	A. Ethane B. Ethene C. Ethyne D. Propane
13	Alkyl halides on treatment with aqueous KOH give	A. Phenol B. Alcohol C. Aldehyde D. Ketone
14	Which of the following compounds on oxidation gives benzoic acid?	A. Chlorophenol B. Chlorotoluene C. Chlorobenzene D. Toluene

D. Benzyl chloride

15	Replacement of Cl of Chlorobenzene to give phenol requires drastic conditions but chlorine of 2, 4-Dinitrochlorobenzene is readily replaced because	A. NO_2 makes the electron rich ring at ortho and para positions B. NO_2 withdraws electrons at meta position C. NO_2 donate electrons at m-position D. NO_2 withdraws electrons at ortho and para position
16	In which of the following reactions is the inorganic reagent acting as a nucleophile	
17	Alkyl halides are considered to be very reactive compounds towards nucleophiles because	A. They have an electrophilic carbon B. They have an electrophilic carbon and a good leaving group C. They have an electrophilic carbon and a bad leaving group D. They have a nucleophilic carbon and a good leaving group
18	CFCs undergo homolytic fission by uv light in the stratosphere which radical could result from this irradiations of CHClCF_2Cl .	A. CHF Cl C FCl B. $\text{CH Cl CF}_2\text{Cl}$ C. $\text{CHF CF}_2\text{Cl}$ D. $\text{C FCl CF}_2\text{Cl}$
19	Alkyl halides on treatment with Zn and HCl gives	A. Alkanes B. Alkenes C. Alkynes D. Alcohols
20	Grignard's reagent was prepared in:	A. 1900 B. 1910 C. 1920 D. 1930