

ECAT Chemistry Chapter 21 Alkyl Halides

Sr	Questions	Answers Choice
1	Which of the following with aqueous KOH will give acetaldehyde?	A. 1, 2-Dichloroethane B. 1,1-Dichloroethane C. Chloracetic acid D. Ethyl chloride
2	Each of the following compounds is effective as a refrigerant. The release of which one of these causes the greatest depletion of the ozone layer	A. CCl ₂ F ₂ B. CH ₃ OCH ₃ C. CH ₃ CHF ₂ D. CH ₃ CH ₂ CH ₃
3	Action of Zn with alkyl halides in the presence of an inert solvent forms higher alkanes. This reaction is known as	A. Wurtz reaction B. Frankland's reaction C. Cannizaro reaction D. Kalobe's reaction
4	which one of the following is not a nucleophile?	A. H ₂ O B. H ₂ S C. BF ₃ D. NH ₃
5	Which one of the following will have the maximum dipole moment	A. CH ₃ F B. CH ₃ Cl C. CH ₃ Br D. CH ₃ l
6	In which of the following reactions is the inorganic reagent acting as a nucleophile	
		A. Electrophilic substitution
7	Question Image	B. Free radical reduction C. Isomerisation
		D. Nucleophilic substitution
8	A set of compounds in which reactivity of halogen atom in the ascending order is	A. Chlorobenzene, vinyl chloride, chloroethane B. Chloroethane, chlorobenzene, vinyl chloride C. Vinyl chloride, chlorobenzene chloroethane D. Vinyl chloride, chloroethane, chlorobenzene
9	Grignard's reagent on treatment with chloramine give	A. Acetamide B. Primary amice C. Secondary amice D. Urea
10	1, 3-Dibromopropane reacts with metallic zinc to form	A. Propene B. Propane C. Cyclopropane D. Hexane
11	Alkyl halides in which a halogen atom is bonded to that carbon atom which directly bonded with one hydrogen atom is called	A. Primary alkyl halides B. Secondary alkyl halides C. Tertiary alkyl halides D. Quaternary alkyl halides
12	Grignard reagent is not prepared in aqueous medium but prepared in ether medium because	A. The reagent is highly reactive in ether B. The reagent does not react with water C. The reagent becomes inactive in water D. The reagent reacts with water
13	General formula of alkyl halide is:	A. RX B. ROH C. RCOH D. RCOOH
	2-Bromopentane is heated with potassium ethoxide in ethanol . The major	A. 2-Ethoxypentane B. Pent-1-ene
14	product obtained is	C. cis-Pent-2-ene D. trans-Pent-2-ene
15	Gammexane is	A. Chlorobenzene B. Benzyl chloride C. Brommobenzene D. Benzene hexachloride

16	1-Chlorobutane on reaction with alcoholic potash gives	A. But 1-ene B. Butan-1-ol C. But-2-ene D. Butan-2-ol
17	The alkyl halide is converted into an alcohol by	A. Addition B. Substitution C. Dehydrohalogenation D. Elimination
18	How many monochlorobutanes will be possible on chlorination of n-butane?	A. 1 B. 2 C. 3 D. 5
19	When metallic sodium in ether is heated with ethyl chloride, which alkane is formed	A. Propane B. Ethane C. Iso-butane D. N-butane
20	Ethyl bromide on treatment with alcoholic KOH gives	A. Ethylene B. Ethanol C. Acetic Acid D. Ethane