

ECAT Chemistry Chapter 21 Alkyl Halides

Sr	Questions	Answers Choice
1	Grignard's reagent on treatment with carbonyl compounds yield	A. Phenol B. Alcohol C. Alkane D. None of these
2	Carbon atom holding halogen in aryl halides is	A. sp^{2} -hybridised B. sp^{3} -hybridised C. sp -hybridised D. sp^{3d} -hybridised
3	Halogens on treating with silver salts of acids give	A. Alcohol B. Ester C. Phenol D. Alkyl halide
4	Tetrabromoethane on treatment with alcoholic zinc gives	A. Ethylbromide B. Ethane C. Ethene D. Ethyne
5	When formaldehyde is added to Grignard reagent we get	A. Aldehyde B. Acetone C. Primary alcohol D. Secondary alcohol
6	The rate of S_N2 reaction depends upon the	A. Concentration of alkyl halides B. Concentration of nucleophile C. Concentration of alkyl halides and nucleophile D. None of the above
7	General formula of alkyl halide is:	A. $R-X$ B. $R-OH$ C. $R-COH$ D. $R-COOH$
8	Reduction of alkyl halides give	A. Alkanes B. Alkenes C. Ketones D. Ether
9	Which one of the following is not a nucleophile	A. H_2O B. H_2S C. BF_3 D. NH_3
10	Ethyl alcohol gives ethyl chloride with the help of	A. $SOCl_2$ B. $NaCl$ C. Cl_2 D. KCl
11	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 the above
12	Electronegativity order of alkyl halides is:	A. $RI > RBr > RCl > RF$ B. $RBr > RCl > RF > RI$ C. $RCl > RF > RI > RBr$ D. $RF > RI > RBr > RCl$
13	Elimination bimolecular reactions usually obey	A. First order kinetics B. Second order kinetics C. Third order kinetics D. Zero order kinetics
14	Any other aldehyde except formaldehyde on reaction with Grignard's will produce	A. Secondary alcohol B. Primary alcohol C. Tertiary alcohol D. Aromatic alcohol
15	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. $C_nH_{2n+2}X$

16	By reaction Grignard's reagent with the HCHO we get	A. 1° - alcohol B. 2° - alcohol C. 3° - alcohol D. All of these
17	Which of the following does not give iodoform test?	A. Ethanol B. Ethanal C. Acetophenone D. Benzophenone
18	Which of the following is a nucleophile	A. OH B. $CH(CH_3)_3$ C. CH_3^+ D. $CH_3CH_2CH_3$
19	By simply reacting Grignard's reagent with water we get	A. An alkane B. Higher alkane C. An alkene D. An alkyne
20	What happens when CCl_4 is treated with $AgNO_3$ solution?	A. NO_2 will be evolved B. A white ppt. of AgCl will form C. CCl_4 will dissolve in $AgNO_3$ solution D. Nothing will happen