

ECAT Chemistry Chapter 21 Alkyl Halides

Sr	Questions	Answers Choice
1	Cl ₂ reacts with CS ₂ in presence of AlCl ₃ to form	A. CHCl ₃ B. CCl ₄ C. C ₂ H ₅ Cl D. C ₂ H ₆ Cl
2	Which of the following does not give iodoform test?	A. Ethanol B. Ethanal C. Acetophenone D. Benzophenone
3	Which of the following reagent cannot be used for preparing alkyl chloride from alcohol?	A. HCl + anhyd. ZnCl ₂ B. NaCl C. PCl ₅ D. SOCl ₂
4	General formula of alkyl halide is:	A. R-X B. R-OH C. R-COH D. R-COOH
5	Hydrolysis of Grignard's reagent yields	A. Alcohol B. Aldehyde C. Ester D. Alkane
6	Alkyl halides react with Mg in dry ether to form	A. Magnesium halide B. Grignard's reagent C. Alkene D. Alkyne
7	Reactivity of alkyl halides with magnesium is of the order:	A. RI > RBr > RCl > RF B. RBr > RCl > RF > RI C. RCl > RF > RI > RBr D. RF > RI > RBr > RLi
8	SN ₂ reaction can be best carried out with	A. Primary alkyl halides B. Secondary alkyl halides C. Tertiary alkyl halides D. All the three
9	Chlorobenzene on heating with aqueous NH ₃ under pressure in the presence of cuprous chloride gives	A. Benzamide B. Nitrobenzene C. Aniline D. Chloroaminobenzene
10	Grignard reagent is reactive due to	A. The presence of halogen atom B. The presence of Mg atom C. The polarity of C - Mg bond D. None of above
11	Question Image	A. Electrophilic substitution B. Electrophilic addition C. Free radical substitution D. Nucleophilic substitution
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 > RLi
13	What is the total number of different chloroethanes, formula C ₂ H _{6-n} Cl _n , where n can be any integer from 1 to 4	A. 4 B. 6 C. 7 D. 8
14	By reaction Grignard's reagent with the HCHO we get	A. 1° - alcohol B. 2° - alcohol C. 3° - alcohol D. All of these
15	Alkanes may be prepared by the reaction of alkyl halides with	A. Alcohol B. Carboxylic acid C. Grignard reagents D. None of these

16	In a primary alkyl halide, the halogen atom is attached to a carbon which is further attached to	A. Only one carbon atom B. Two carbon atoms C. Three carbon atoms D. one or no carbon atom
17	Which halide among the following is used as methylating agent?	A. CH_3I B. $\text{C}_2\text{H}_5\text{Cl}$ C. $\text{C}_2\text{H}_5\text{Br}$ D. $\text{C}_6\text{H}_5\text{Cl}$
18	Which of the following compounds gives trichloromethane on distilling with bleaching power?	A. Methanal B. Phenol C. Ethanol D. methanol
19	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
20	When formaldehyde is added to Grignard reagent we get	A. Aldehyde B. Acetone C. Primary alcohol D. Secondary alcohol