

ECAT Chemistry Chapter 21 Alkyl Halides

Sr	Questions	Answers Choice
1	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
2	The reaction of alcohol with SOCl ₂ in the presence of pyridine as catalyst gives	A. Acids B. Acid chloride C. Alkyl halide D. Benzene
3	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
4	Question Image 	A. 2-bromo-3-methylbutane B. 3-methyl-2-bromobutane C. 2-methyl-3-bromobutane D. All of these
5	SN ₂ reaction has order of reaction :	A. First B. Second C. Third D. Zero
6	Question Image 	A. Electrophilic substitution B. Free radical reduction C. Isomerisation D. Nucleophilic substitution
7	The reactivity order of alkyl halides for a particular alkyl group is	A. Fluoride > chloride > bromide > iodide B. Chloride > bromide > fluoride > iodide C. Iodide > bromide > chloride > fluoride D. Bromide > iodide > chloride > fluoride
8	Benzene hexachloride is used as	A. Dye B. Antimaterial drug C. Antibiotic D. Insecticide
9	Ethyl bromide on treatment with alcoholic KOH gives	A. Ethylene B. Ethanol C. Acetic Acid D. Ethane
10	The reaction of an alkyl halide with RCOOAg produces	A. Ester B. Ether C. Aldehyde D. Ketone
11	E ₁ mechanism is generally shown by	A. 1° - RX B. 2° - RX C. 3° - RX D. None of these
12	SN ₁ reaction of alkyl halides leads to	A. Retention of configuration B. Racemisation C. Inversion of configuration D. None of these
13	Grignard reagent is prepared by the reaction of magnesium metal with alkyl halide in the presence of	A. Alcohol B. Water C. Sulfuric acid D. Dry ether
14	Which of the following does not give iodoform test?	A. Ethanol B. Ethanal C. Acetophenone D. Benzophenone

15	Gammexane is	A. Chlorobenzene B. Benzyl chloride C. Brommobenzene D. Benzene hexachloride
16	How many monochlorobutanes will be possible on chlorination of n-butane?	A. 1 B. 2 C. 3 D. 5
17	Grignard's reagent on treatment with dry CO ₂ and HCl yields	A. Ester B. Alcohol C. Carboxylic acid D. Aldehyde
18	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
19	Which is a weak nucleophile	A. OH ⁻ B. Br ⁻ C. NH ₃ D. Cl ⁻
20	Alkyle magnesium halides are known as	A. Simon-smith reagent B. Tollen's reagent C. Grignard's reagent D. Barford's reagent