

ECAT Chemistry Chapter 21 Alkyl Halides

Sr	Questions	Answers Choice
1	The compounds or species in search of electrons are called	A. Electrophiles B. Nucleophile C. Nitrites D. Bases
2	The most reactive compound for electrophilic nitration will be	A. Benzyl chloride B. Benzoic acid C. Nitrobenzene D. Chlorobenzene
3	1, 3-Dibromopropane reacts with metallic zinc to form	A. Propene B. Propane C. Cyclopropane D. Hexane
4	In primary alkyl halides, the halogen atom is attached to a carbon which attached to how many carbon atoms?	A. Two B. Three C. One D. Four
5	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
6	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
7	Which of the following alkyl halides is used as a methylating agent	A. CH ₃ CH ₂ CH ₂ I B. CH ₃ CH ₂ CH ₂ Br C. C ₂ H ₅ CH ₂ CH ₂ CH ₂ Pr D. C ₂ H ₅ CH ₂ CH ₂ CH ₂ Cl
8	E ₁ mechanism is generally shown by	A. 1° - RX B. 2° - RX C. 3° - RX D. None of these
9	The general formula of alkyl halides is	A. C _n H _{2n} X B. C _n H _{2n-1} X C. C _n H _{2n+1} X D. C _n H _{2n-2} X
10	Catalyst in the reaction ROH + SOCl ₂ → RCl + SO ₂ + HCl is:	A. ZnCl ₂ B. Pyridine C. H ₂ SO ₄ D. Ether
11	The reactivity order of alkyl halides for a particular alkyl group is:	A. F > Cl > Br > I B. Cl > Br > F > I C. I > Br > Cl > F D. Br > I > Cl > F
12	Alkyl halides on treatment with metallic Na give	A. Alkynes B. Alkenes C. Alkanes D. Alcohols
13	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 > RCl
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	Question Image	<p>A. NH_3 HCl</p> <p>B. KCN in $\text{C}_2\text{H}_5\text{OH}$ NaOH</p> <p>C. KCN in $\text{C}_2\text{H}_5\text{OH}$ HCl</p> <p>D. HCN NaOH</p>
16	Alcohol can be prepared from Grignard's reagent with an aldehyde. If we start with formaldehyde the product alcohol will be	<p>A. Primary</p> <p>B. Secondary</p> <p>C. Tertiary</p> <p>D. Aromatic</p>
17	Which is a good nucleophile?	<p>A. F^-</p> <p>B. Cl^-</p> <p>C. Be^-</p> <p>D. I^-</p>
18	Cyanoform is _____ acid in nature than the chloroform. The missing word is	<p>A. Stronger</p> <p>B. Weaker</p> <p>C. Amphoteric</p> <p>D. Neutral</p>
19	The reactivity order of alkyl halides for a particular alkyl group is	<p>A. Fluoride > chloride > bromide > iodide</p> <p>B. Chloride > bromide > fluoride > iodide</p> <p>C. Iodide > bromide > chloride > fluoride</p> <p>D. Bromide > iodide > chloride > fluoride</p>
20	Which one of the following is not a nucleophile	<p>A. H_2O</p> <p>B. H_2S</p> <p>C. BF_3</p> <p>D. NH_3</p>