

CHEMISTRY

CLASS 12

Chapter: ALKYL AND ARYL HALIDES

Q1. Explain why thionyl chloride method is preferred for preparing alkyl chlorides from alcohols.

Q2. Name the chloromethane that has zero dipole moment.

Q3. Ethyl alcohol is treated with PCl_5 and an organic product (A) is obtained. "A" when treated with alcoholic KOH yields "B" which on hydration in presence of dilute acid produces ethyl alcohol. Identify "A" and "B" and write balanced equations for the reactions involved in the above problem.

[A = Ethyl chloride, B = Ethene]