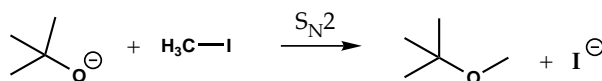
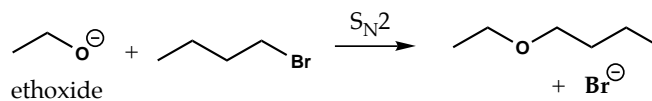
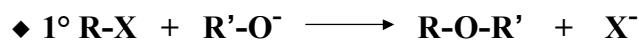


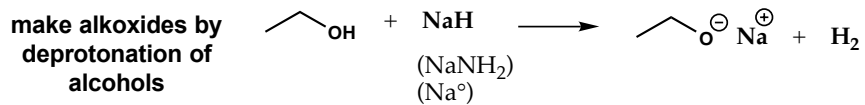
Ether Preparation

- ◆ Williamson Ether Synthesis (from ROH and RX)
- ◆ Alkoxymercuration - Demercuration (of alkenes)
- ◆ Epoxidation (of alkenes by peracids)

A. Williamson Ether Synthesis

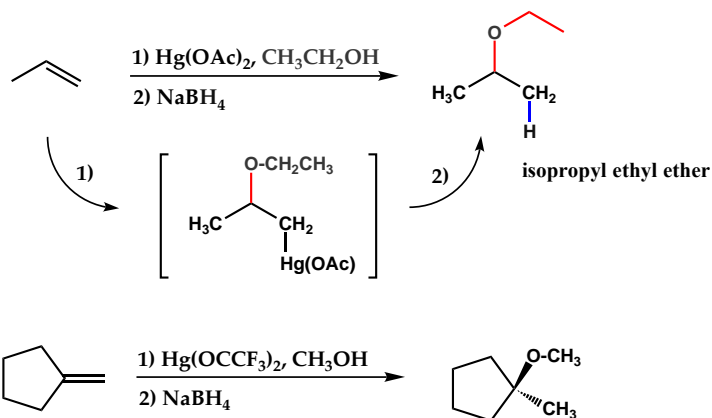


Alkyl halide must be primary for the Williamson Ether Synthesis



B. Alkoxymercuration - Demercuration of Alkenes

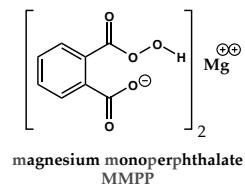
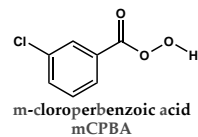
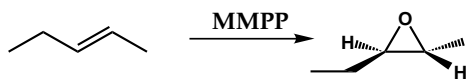
◆ Markovnikov addition of “H” & “OR” to alkenes



C. Epoxidation of Alkenes by Peracids

◆ mCPBA Oxidation of Alkenes to Epoxides

◆ MMPP Oxidation of Alkenes to Epoxides



mechanism: a pericyclic reaction - cis addition of oxygen to C=C double bond

