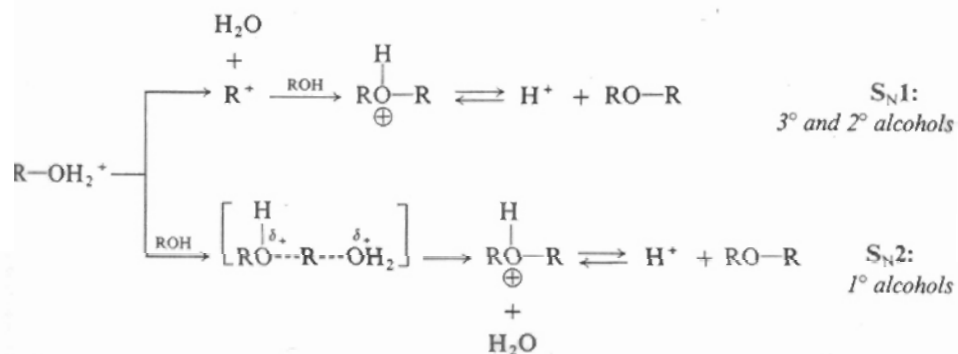
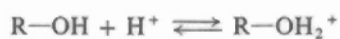
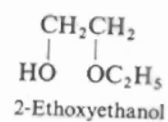
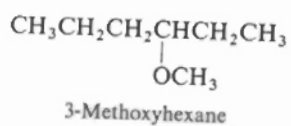
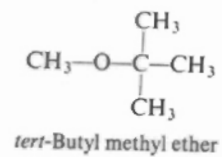
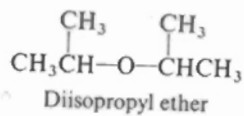
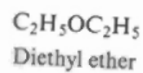
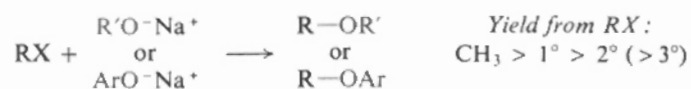


## Ether

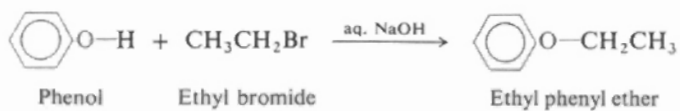
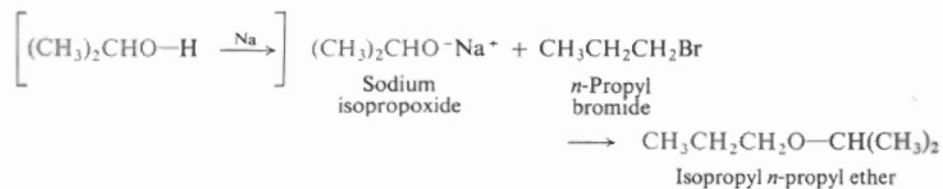


## PREPARATION OF ETHERS

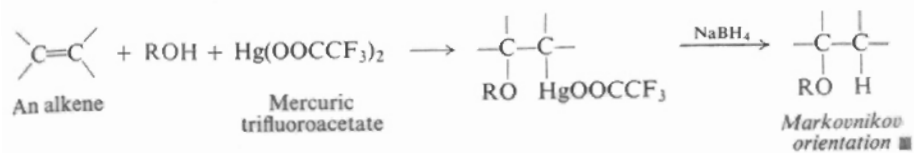
### 1. Williamson synthesis. Discussed in Secs. 6.20 and 24.14.

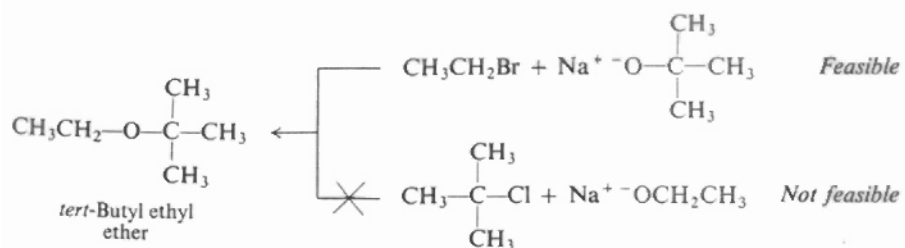
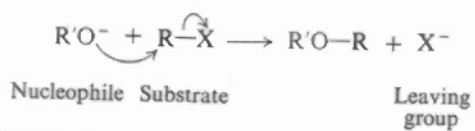
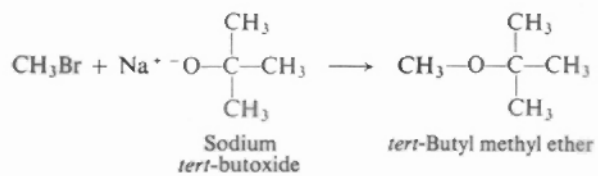


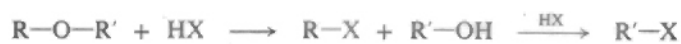
#### Examples:



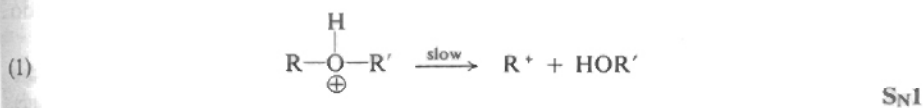
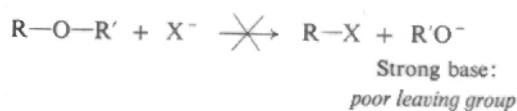
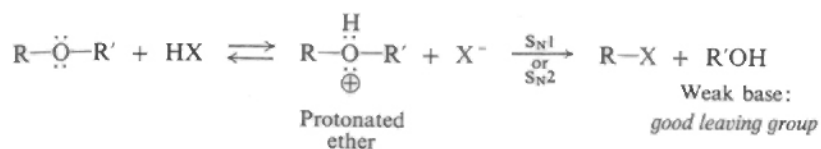
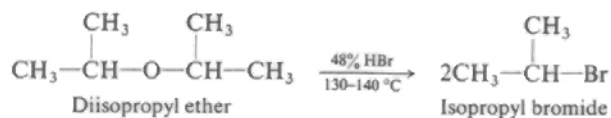
### 2. Alkoxymercuration-demercuration. Discussed in Sec. 9.17.







Reactivity of HX:  $\text{HI} > \text{HBr} > \text{HCl}$



or by an S<sub>N</sub>2 mechanism,

