

CHEM 10052 - Intro. Organic Chemistry

Reactions of Alcohols - Key

alcohol $\xrightarrow{\text{HCl}}$ alkyl halide ($3^\circ > 2^\circ > 1^\circ$)

alcohol $\xrightarrow{\text{H}_2\text{SO}_4}$ dehydration (loss of H_2O)

1° alcohol $\xrightarrow{\text{PCC}}$ aldehyde

1° alcohol $\xrightarrow{\text{CrO}_3}$ carboxylic acid

2° alcohol $\xrightarrow{\text{CrO}_3}$ ketone

3° alcohol $\xrightarrow{\text{CrO}_3}$ N.R.

