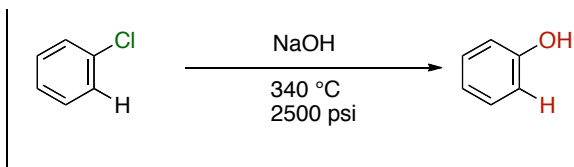
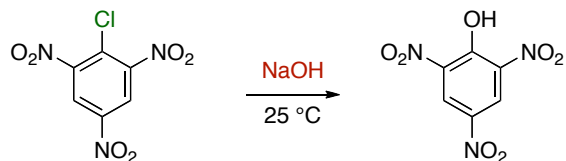


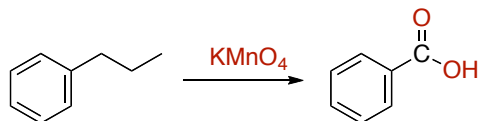
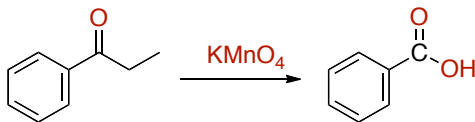
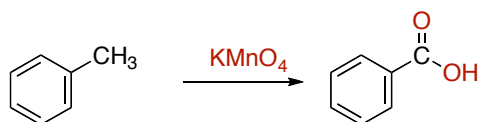
# Chem 342 • Organic Chemistry II

Need to know Reactions for Exam 02

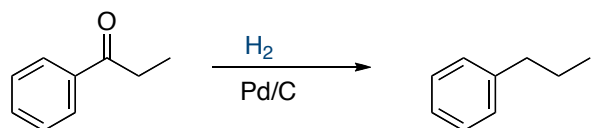
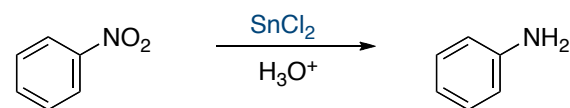
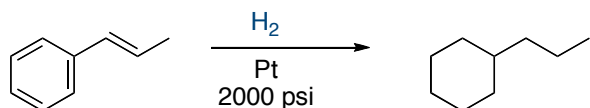
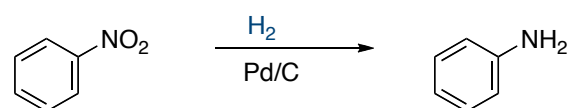
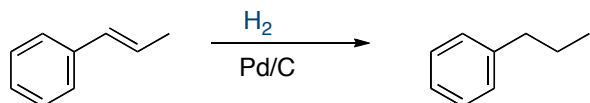
## Nucleophilic Aromatic Substitution



## Oxidation of Aromatic Substituents

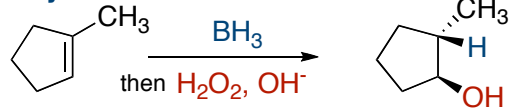


## Reduction of Aromatic Substituents

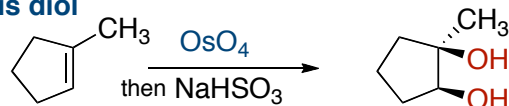


## Preparation of Alcohols and Ethers from Alkenes

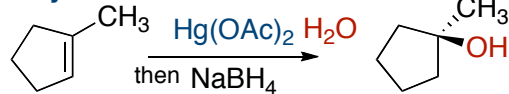
### Hydroboration



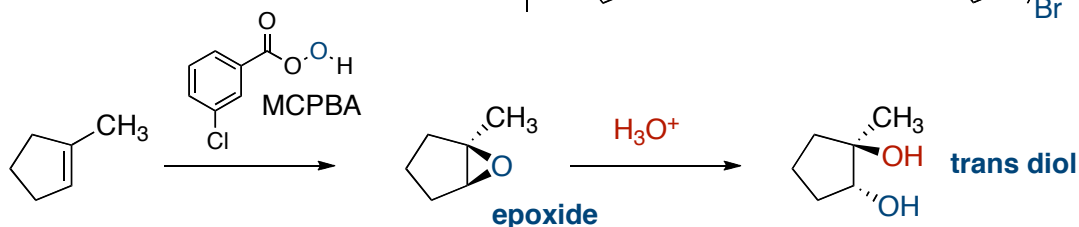
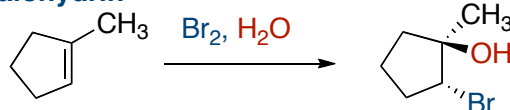
### Dihydroxylation cis diol



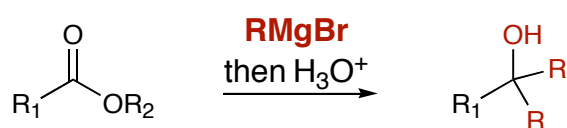
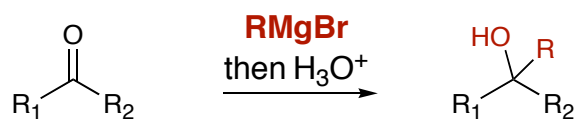
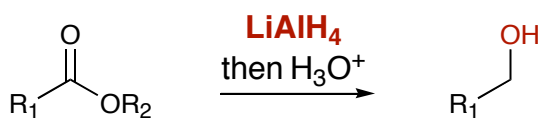
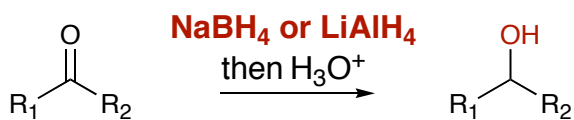
### Oxymercuration



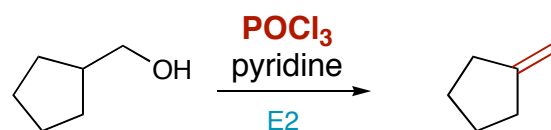
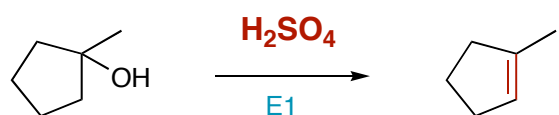
### halohydrin



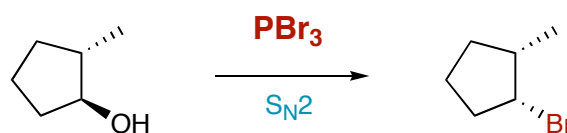
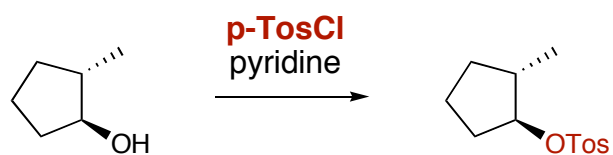
## Preparation of Alcohols from Carbonyls



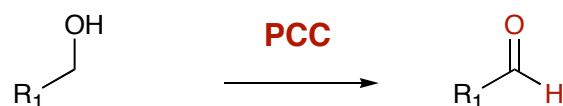
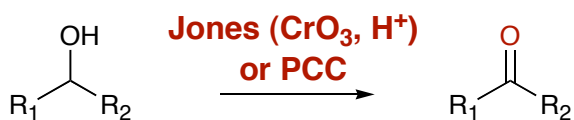
## Elimination of Alcohols



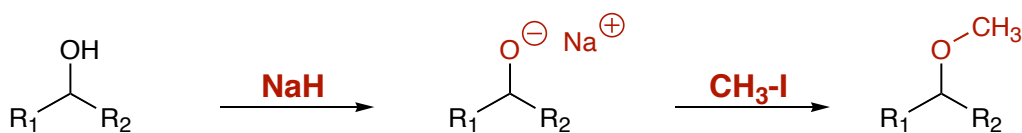
## Substitution/Activation of Alcohols



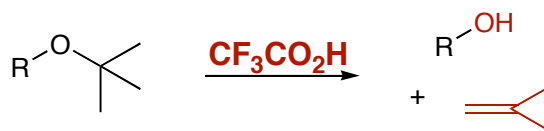
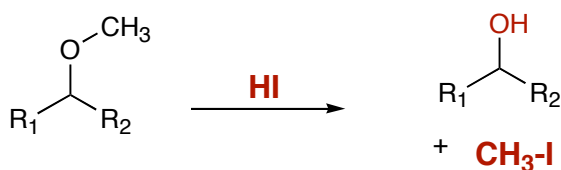
## Oxidation of Alcohols



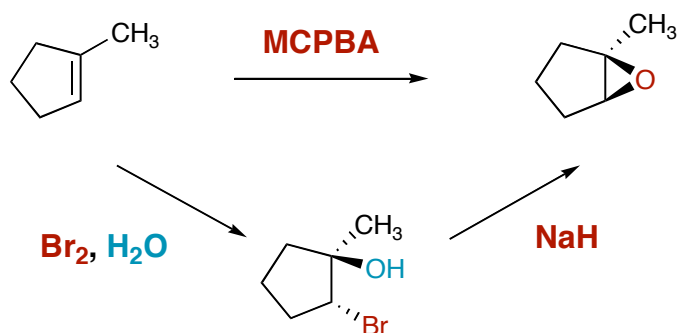
## Williamson Ether Synthesis



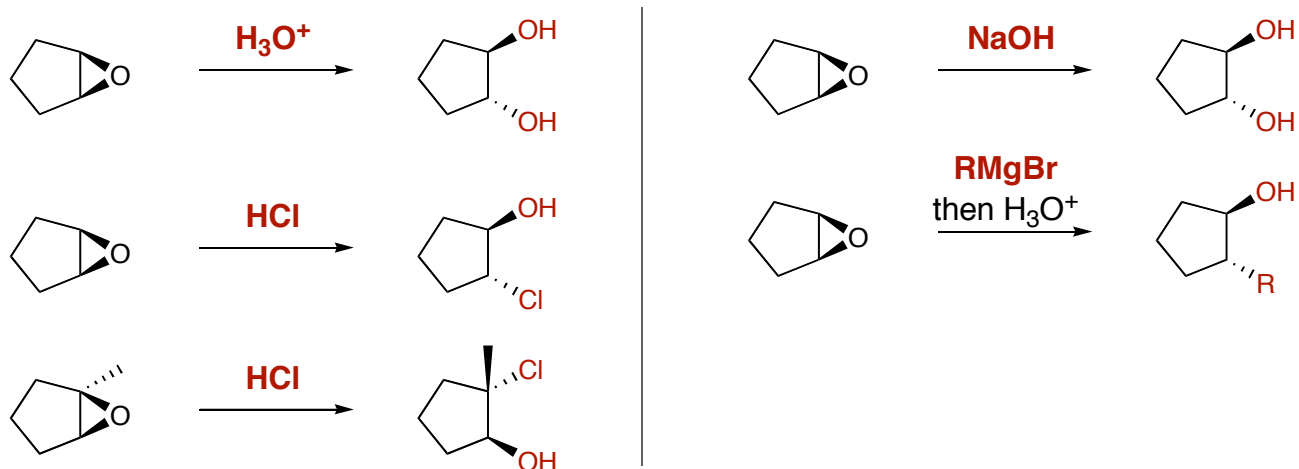
## Ether Cleavage Reactions



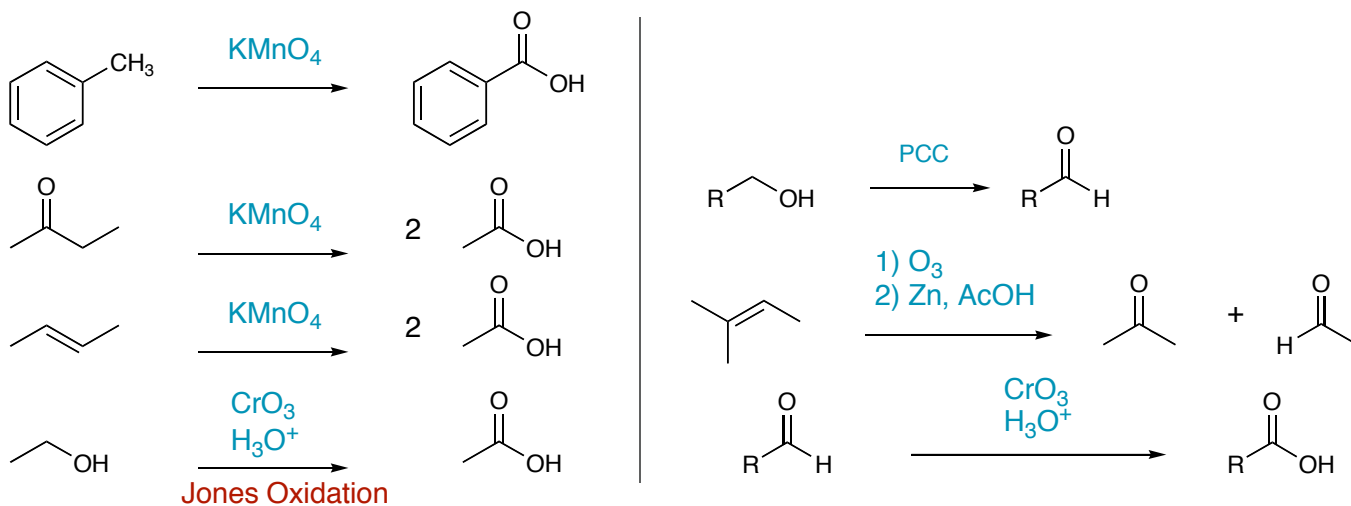
## Epoxide Formation



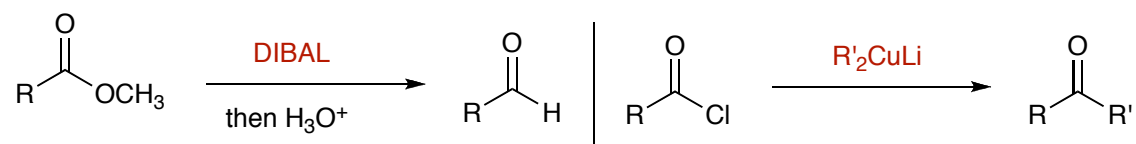
## Epoxide Opening



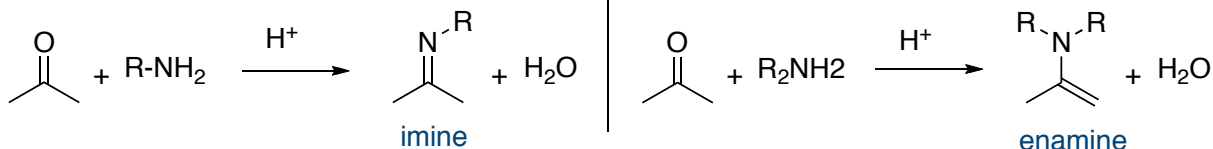
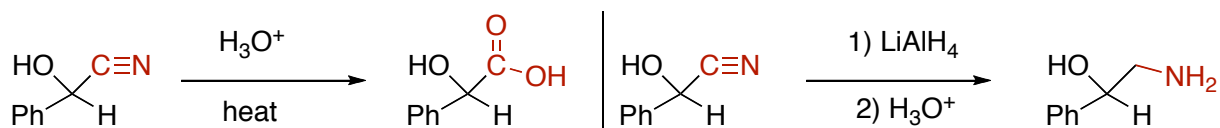
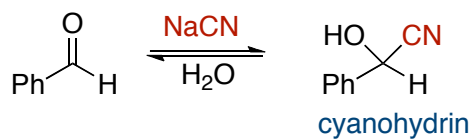
## Oxidations



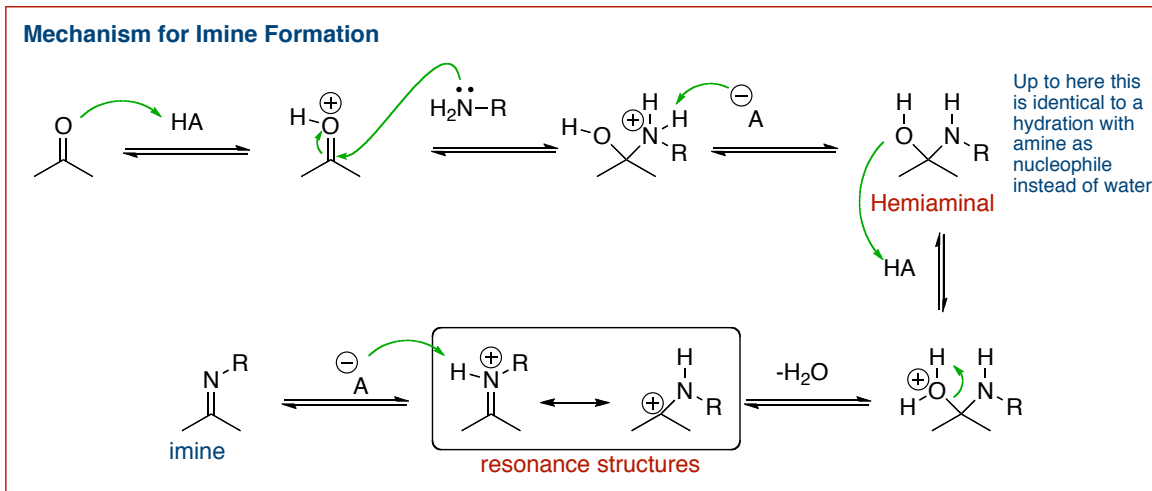
## Preparation of aldehydes and ketones by reduction including Gilman reagent



## Other Reactions of Aldehydes and Ketones



### NEED TO KNOW MECHANISM



### NEED TO KNOW MECHANISM

