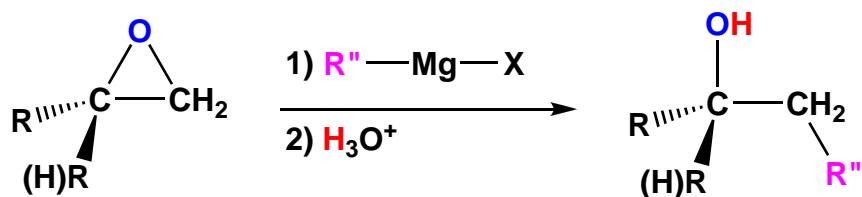
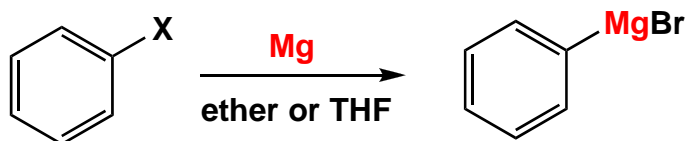
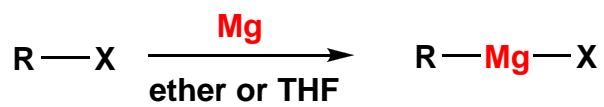
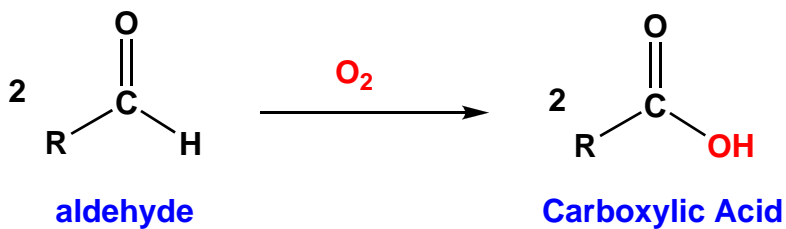
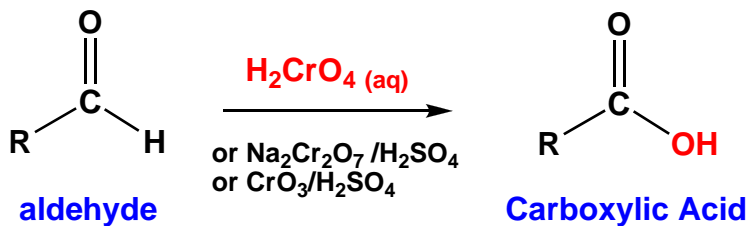
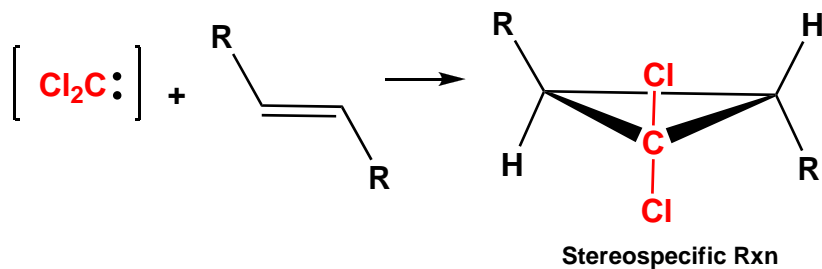
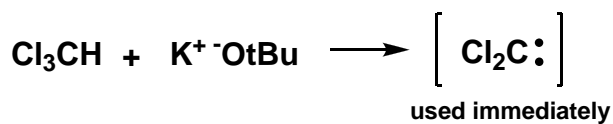
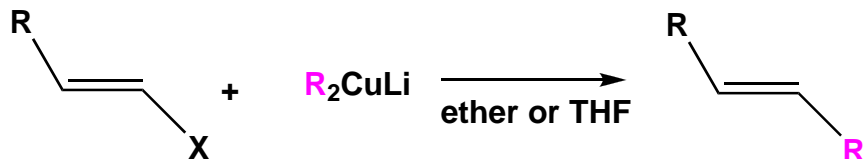
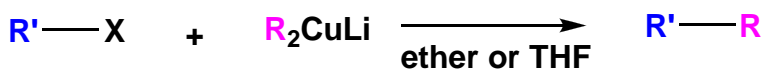
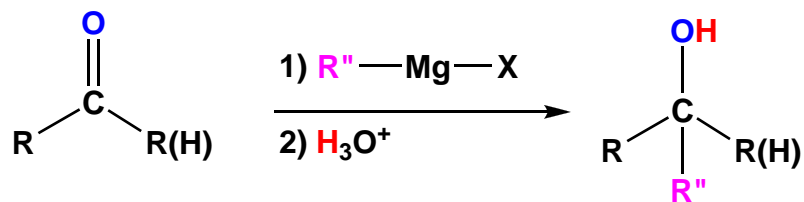
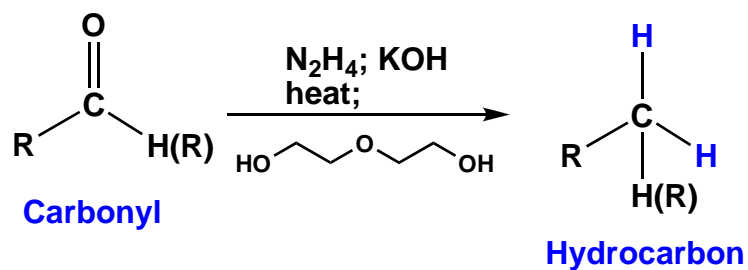
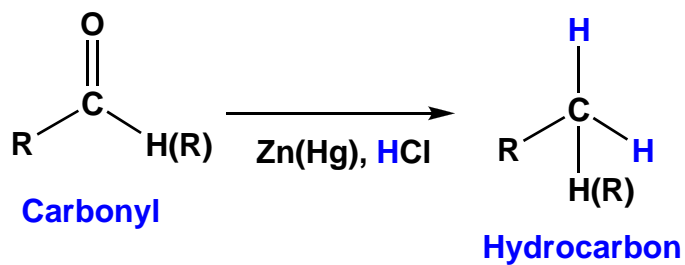
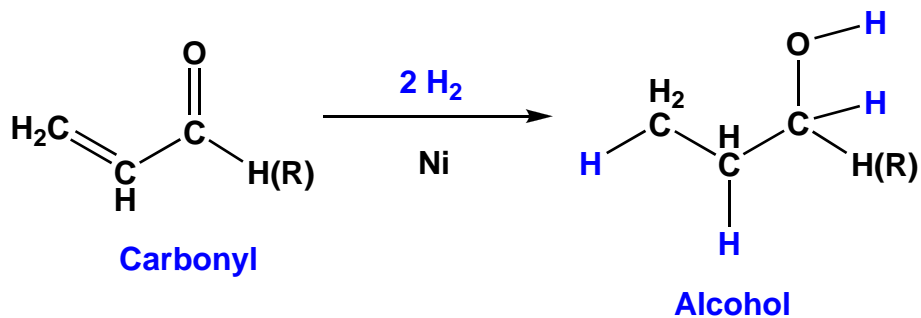
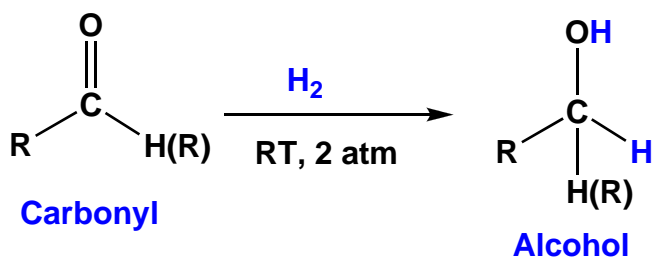
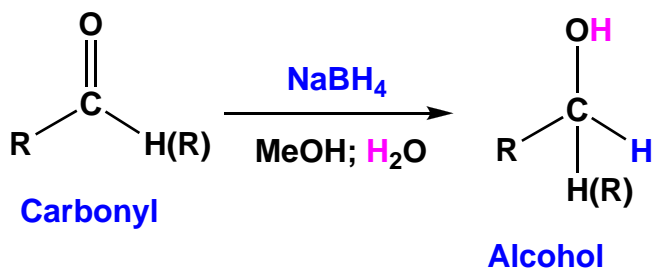
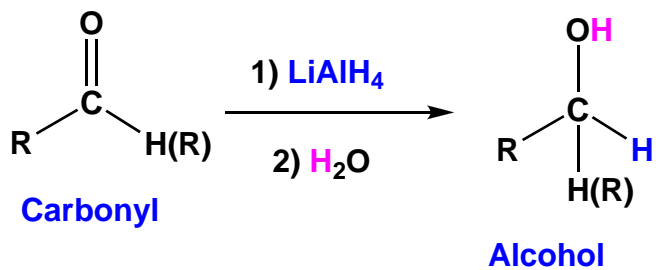


Second Semester

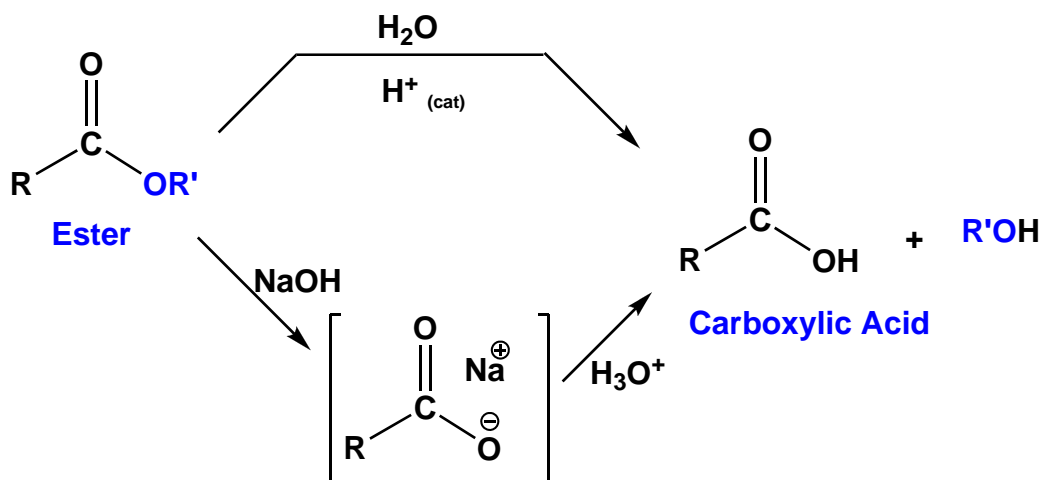
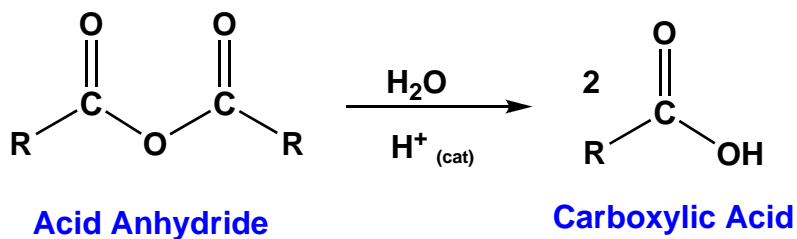
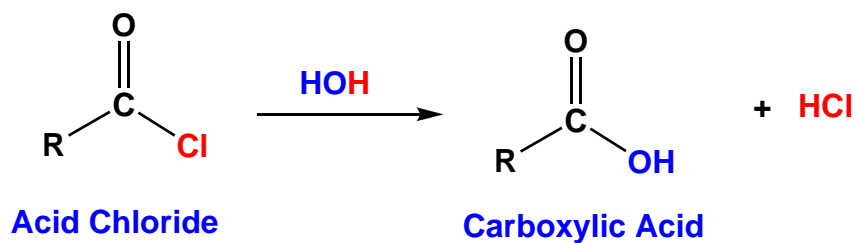
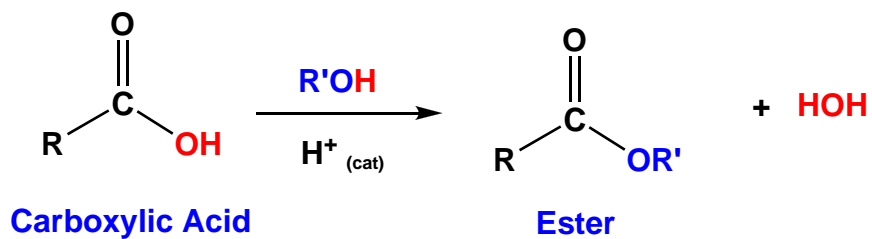
Chap 15:

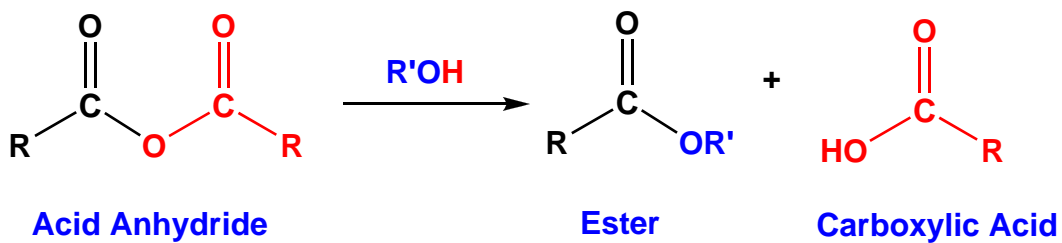
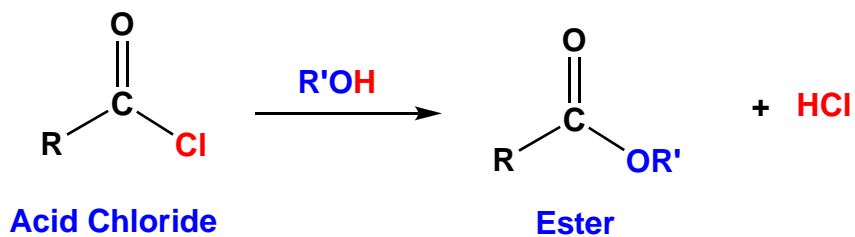
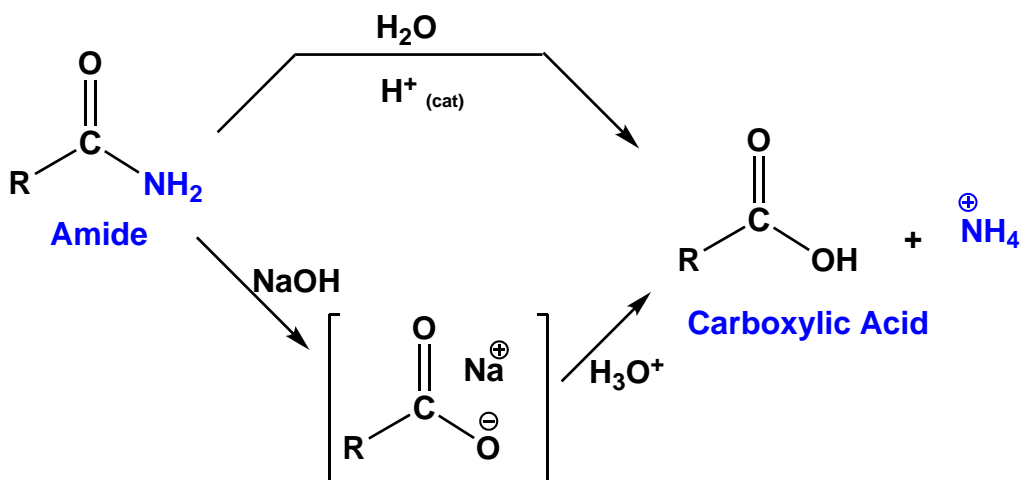
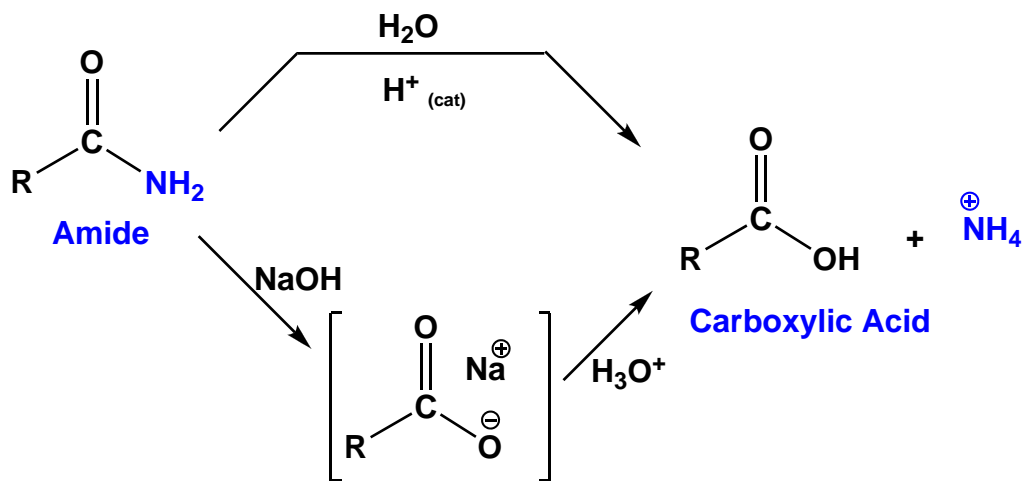




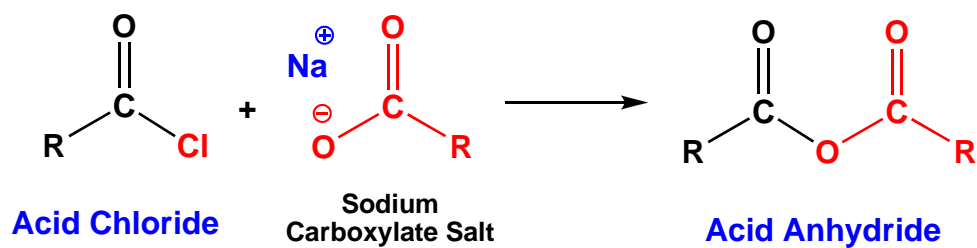
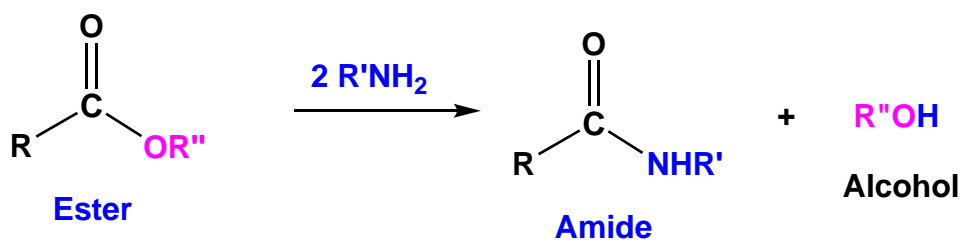
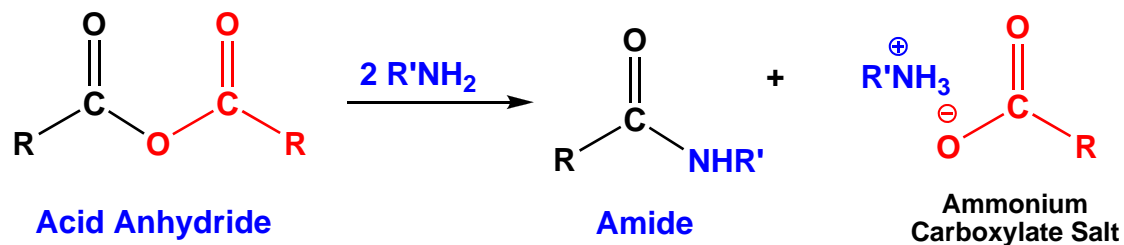
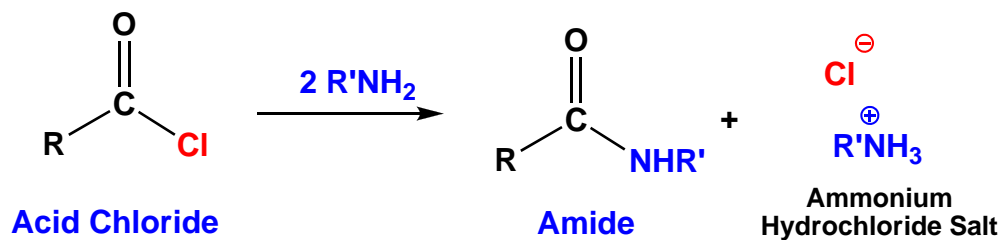
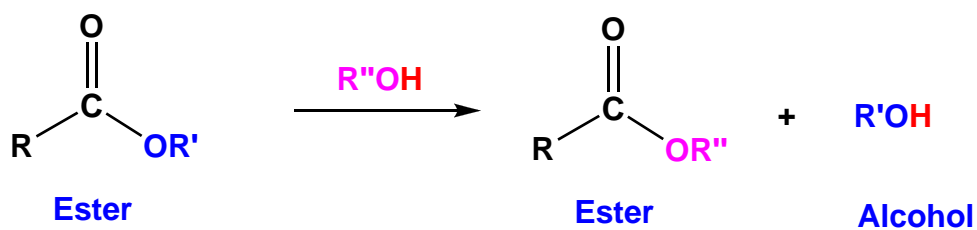


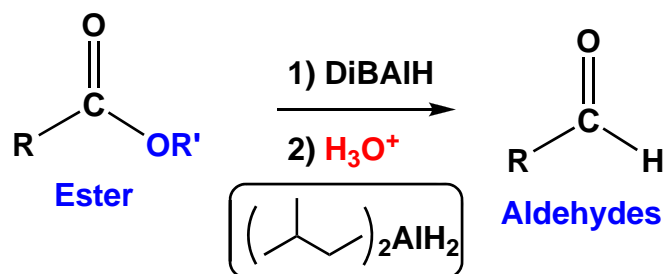
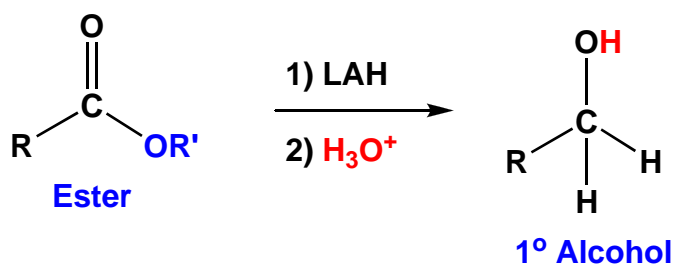
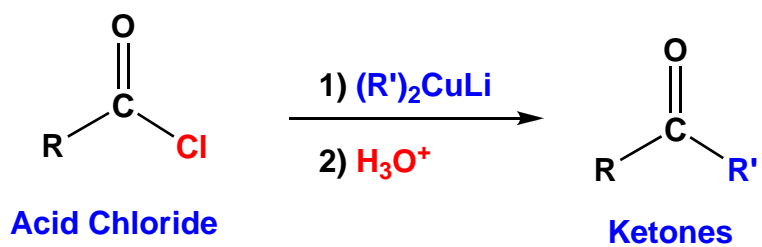
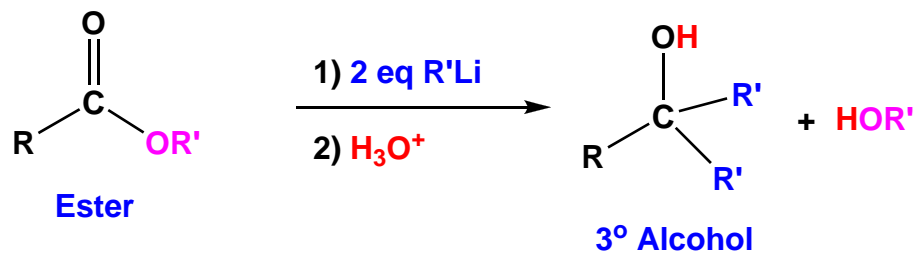
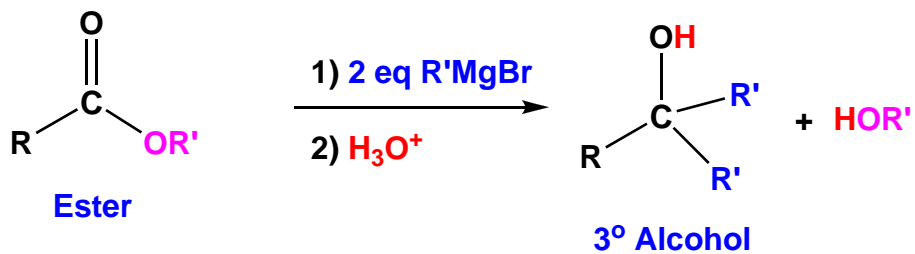
## Nucleophilic Acyl Substitution

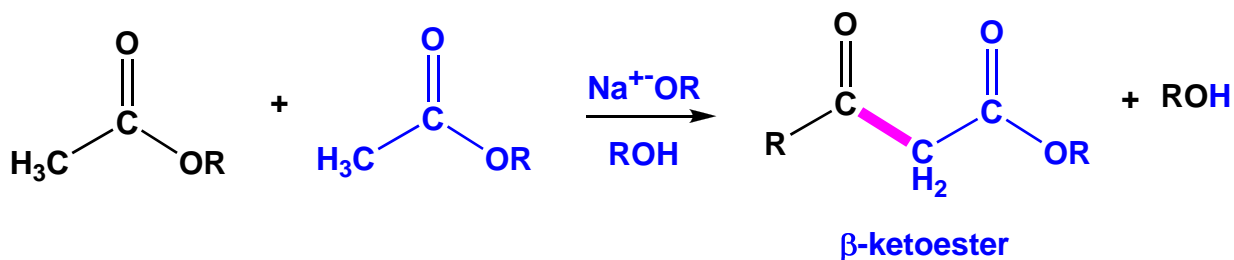
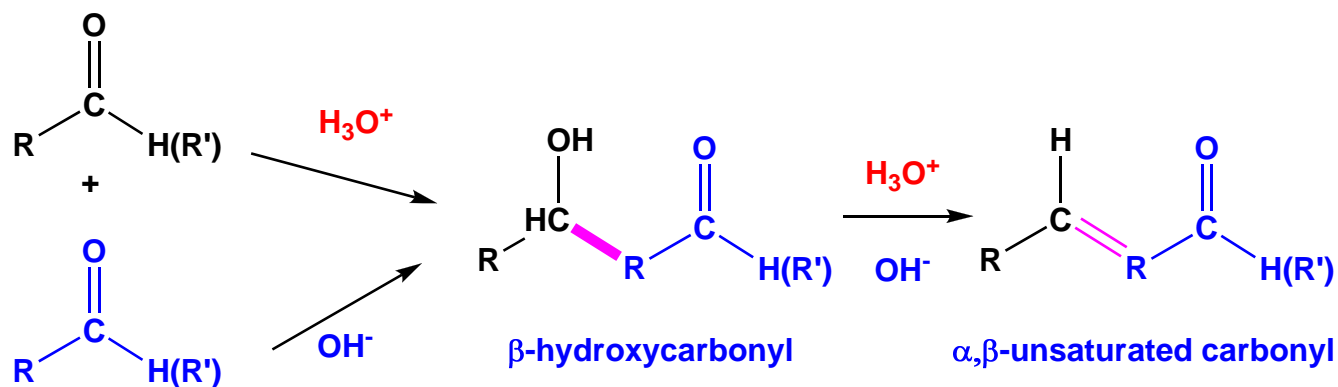
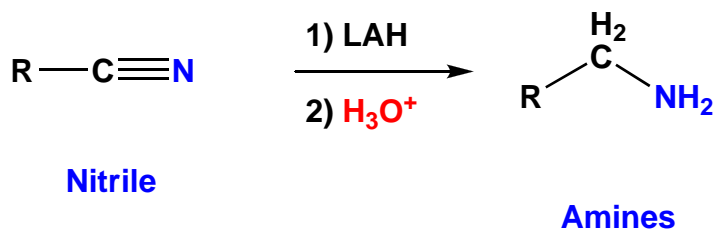
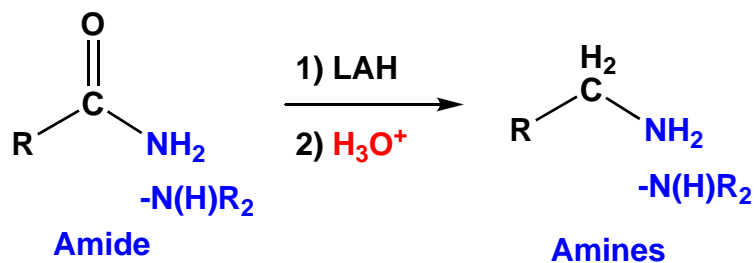


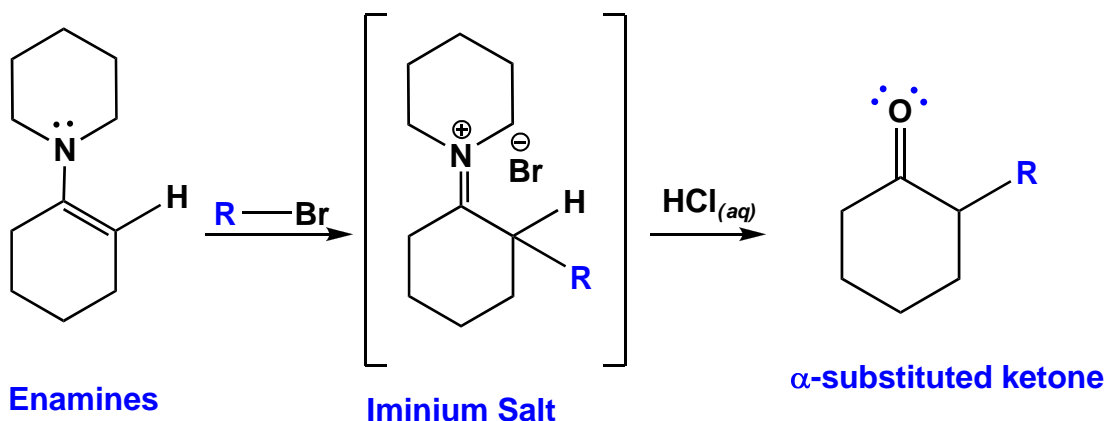
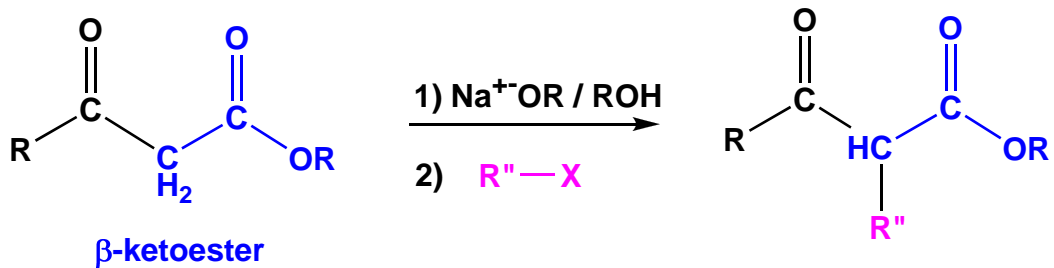




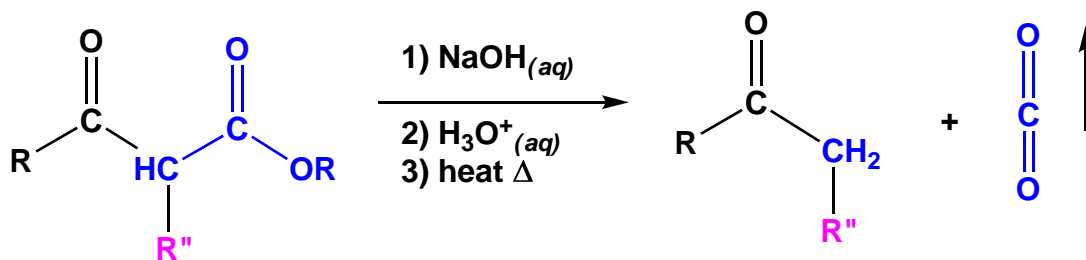
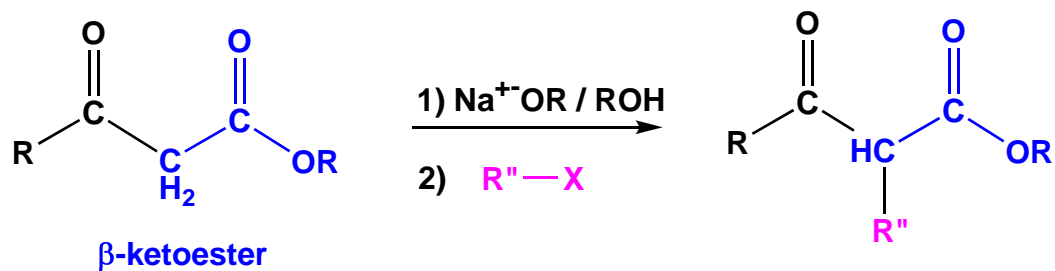






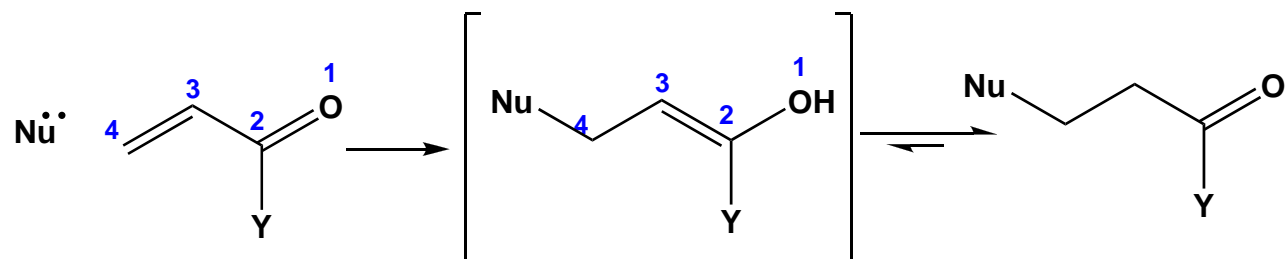


Chemistry of Acidic Methylene compounds (Acetoacetic & Malonic Ester Synthesis):

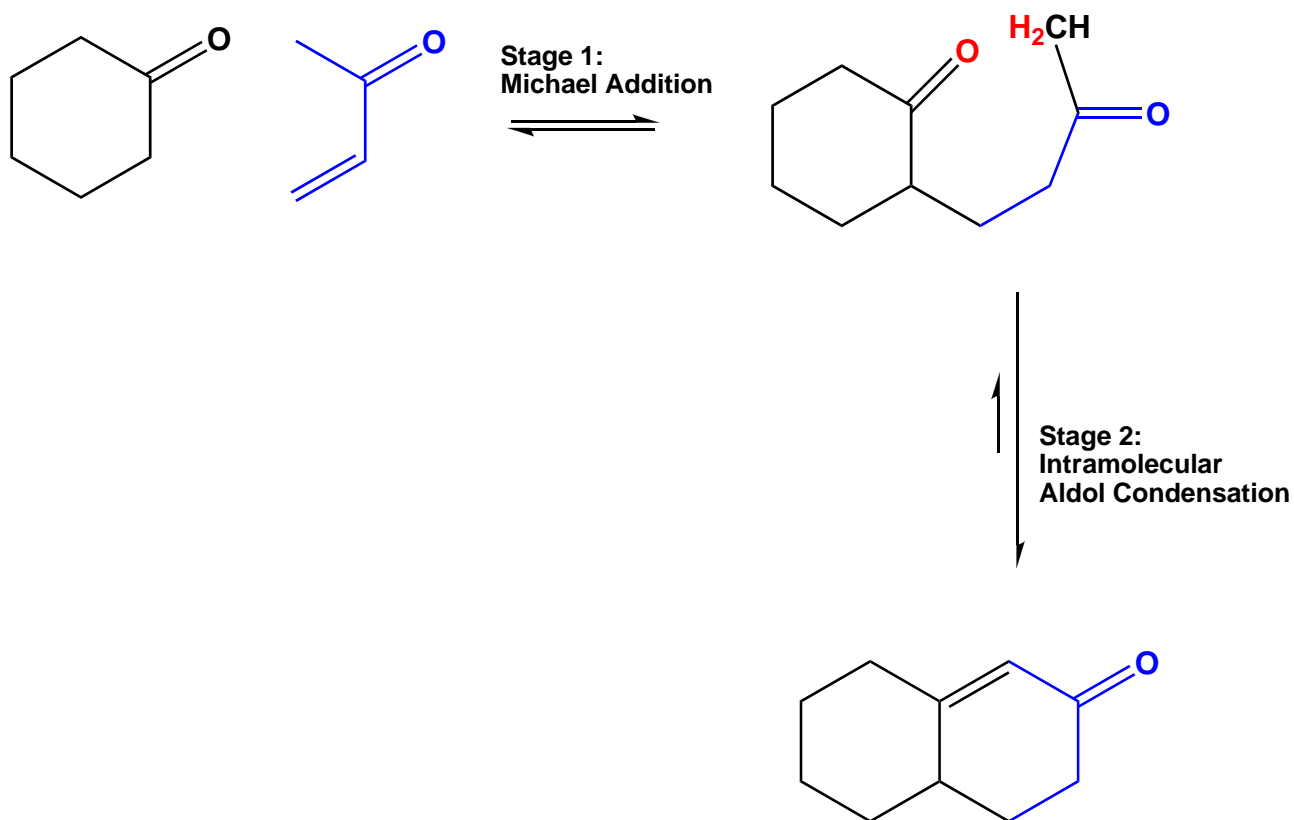


This is irreversible and leads to ketone products

### Conjugate Addition (1,4 addition or Michael Addition):

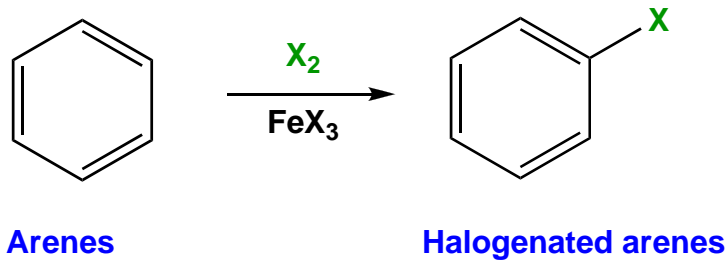


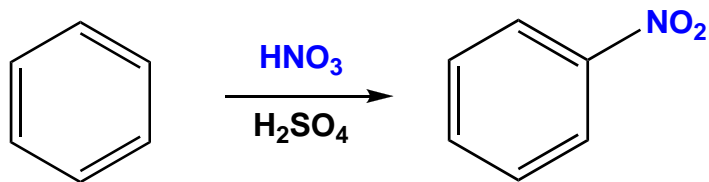
### The Robinson Ring Anulation:



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### Chapter 22





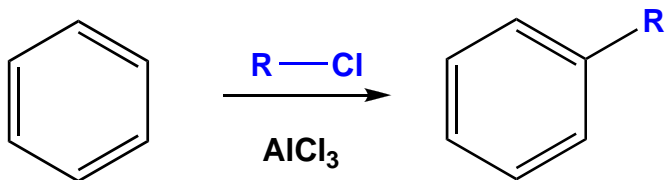
Arenes

Nitro arenes



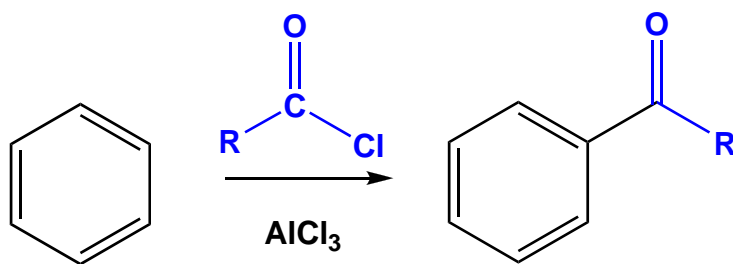
Arenes

Arene Sulfonic Acids



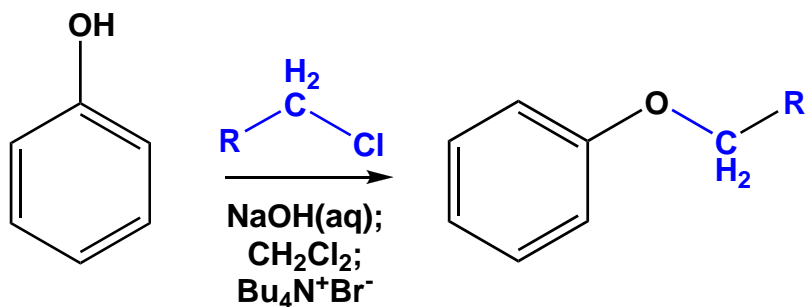
Arenes

Alkylbenzenes



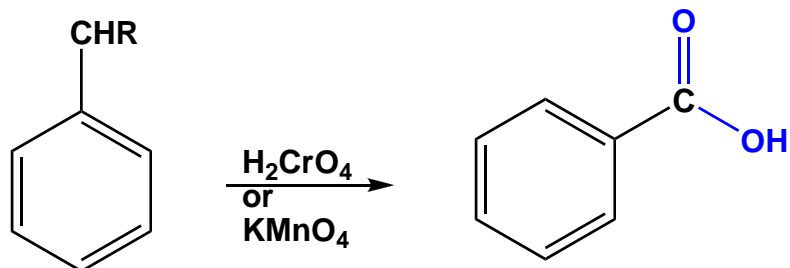
Arenes

Acylbenzenes



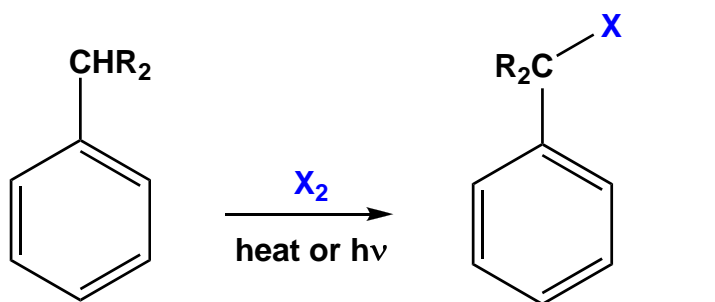
Phenol

Arylethers



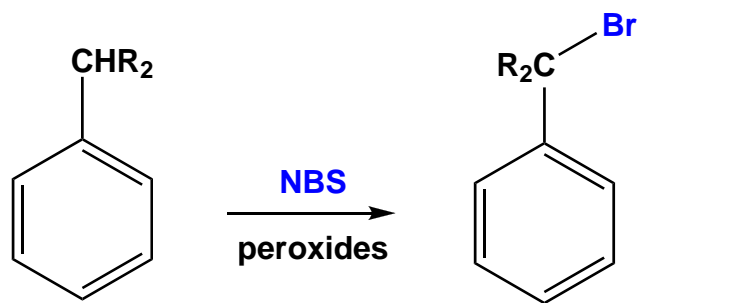
Arene

Benzoic Acids



Arene

Benzyl Halides



Arene

Benzyl Bromides

