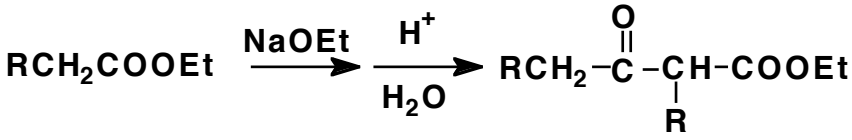
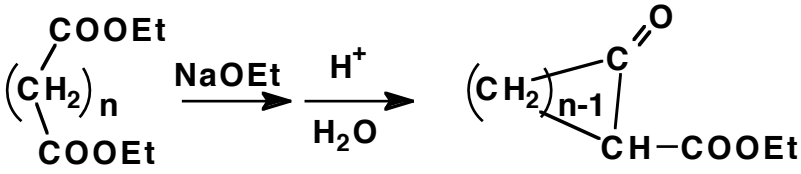
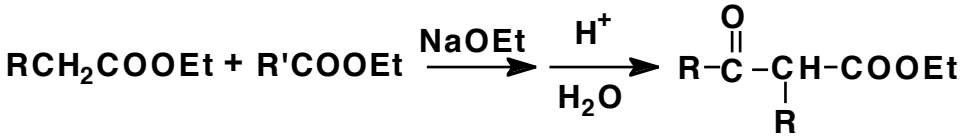
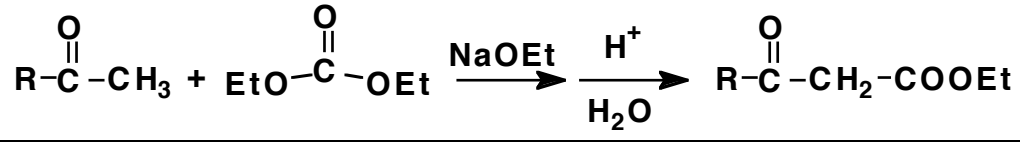
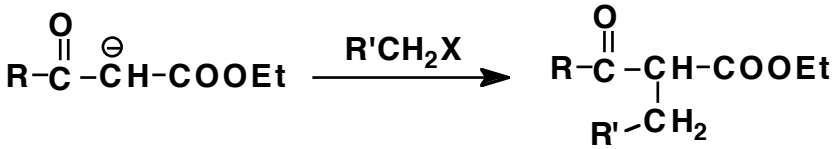
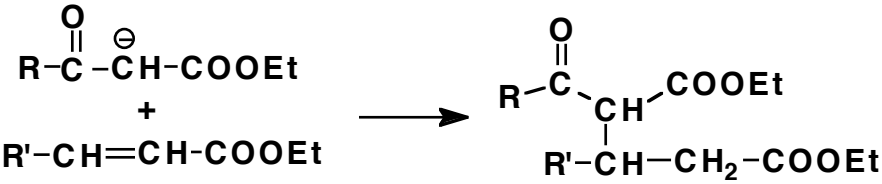
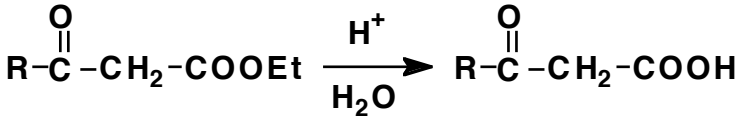
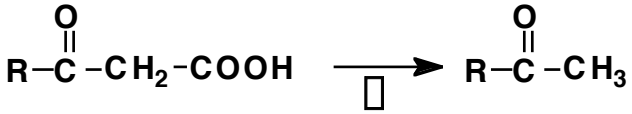
Chapter 21 Review

β-Ketoesters -- Preparation

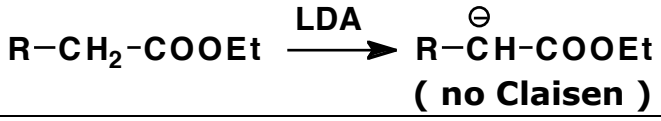
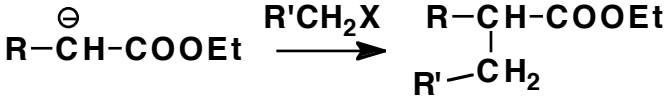
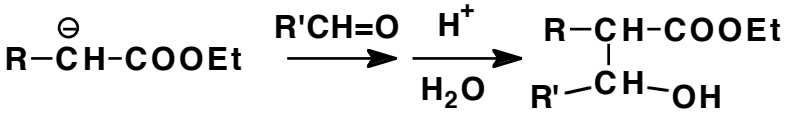
Claisen	
Dieckmann	
Mixed Claisen	
Ketone Acylation	

β-Ketoesters -- Reactions

Alkylation	
Michael additions	
(Note - the products above are still β-ketoesters)	
Hydrolysis	
Decarboxylation	

(Note - many of the above reactions also work with β-diketones)

Ester enolates

	
Alkylation	
Carbonyl addition	

Acetoacetic Ester Synthesis and Malonic Ester Synthesis