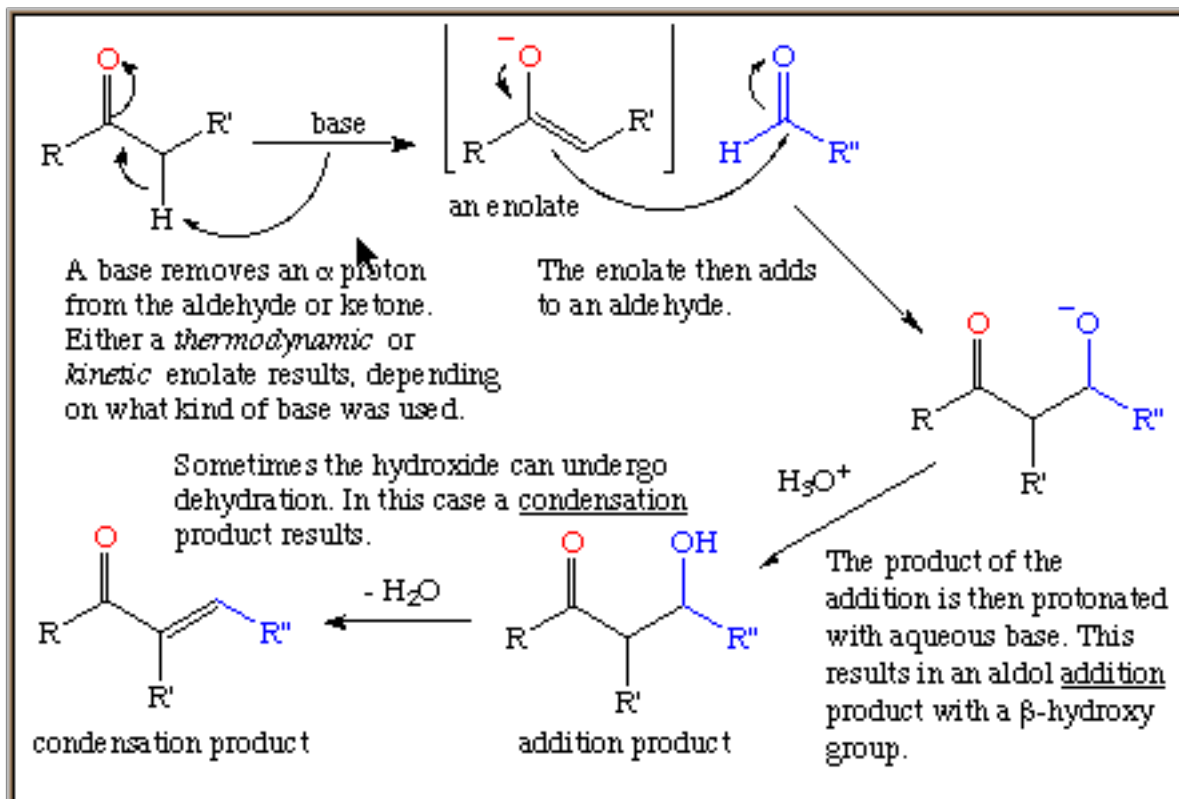
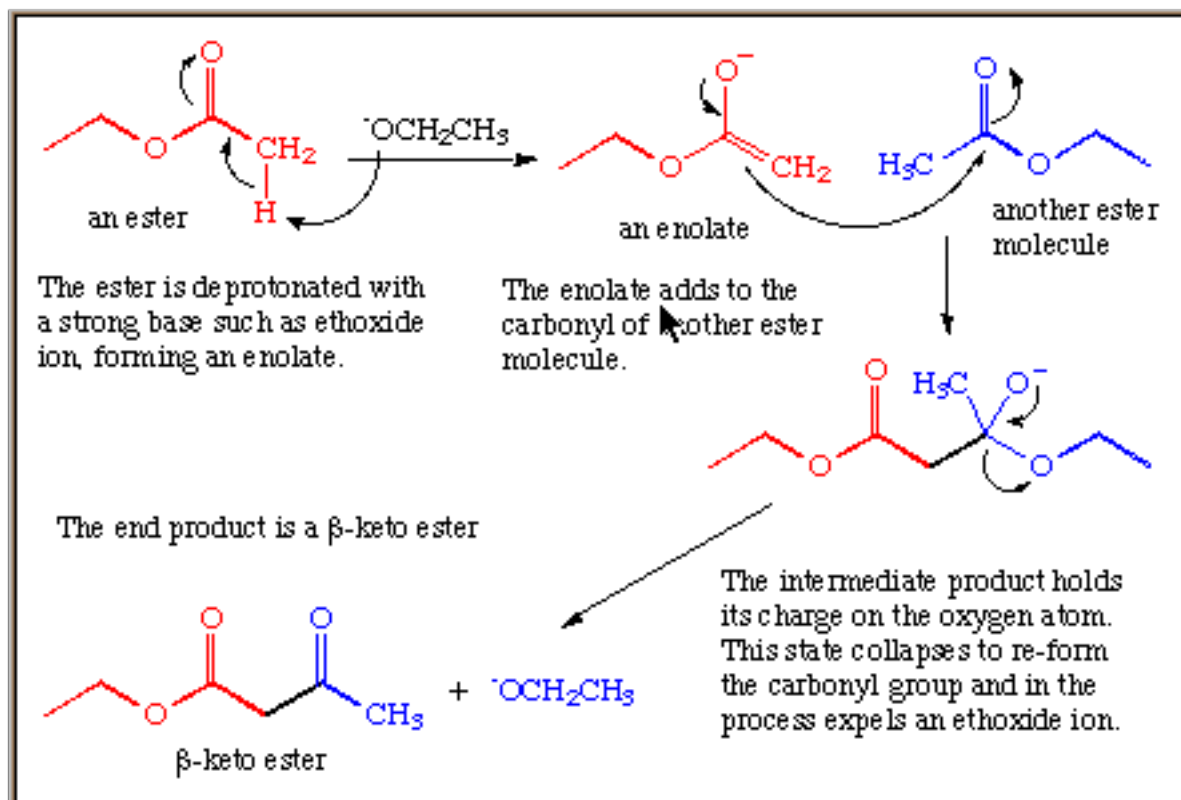


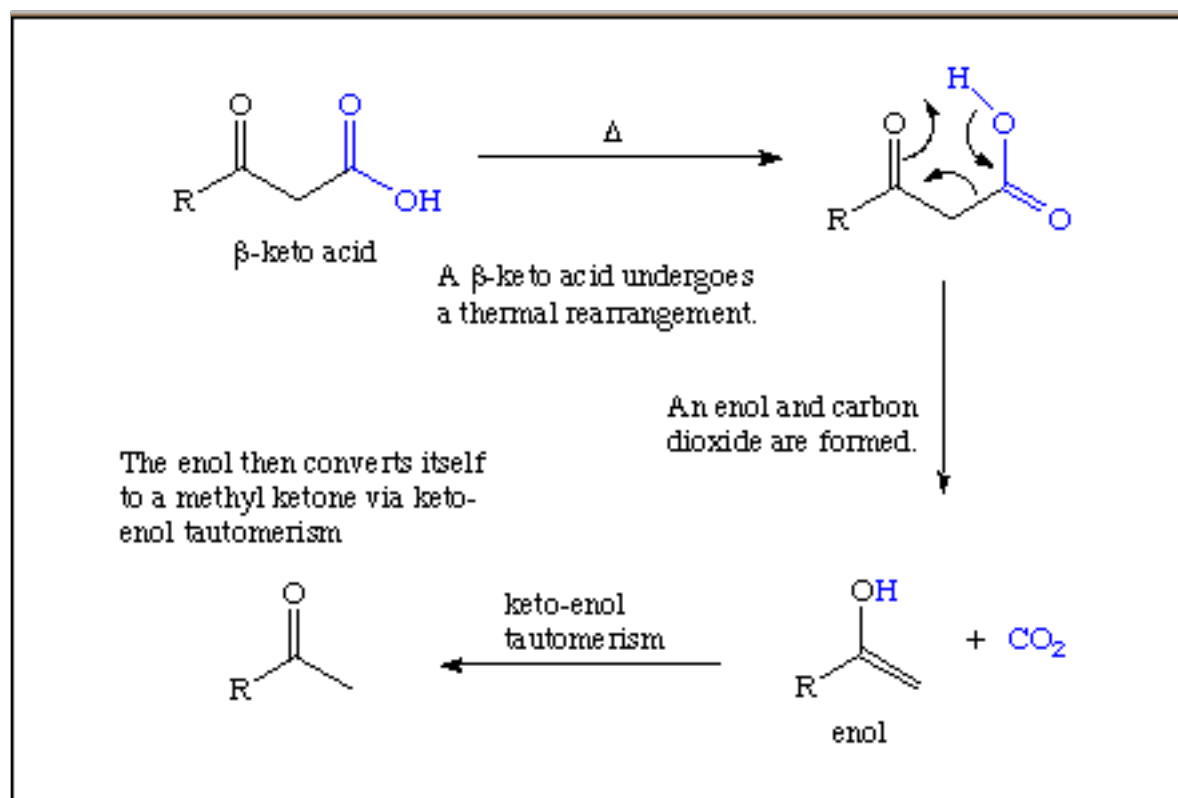
## 1. Aldol condensation



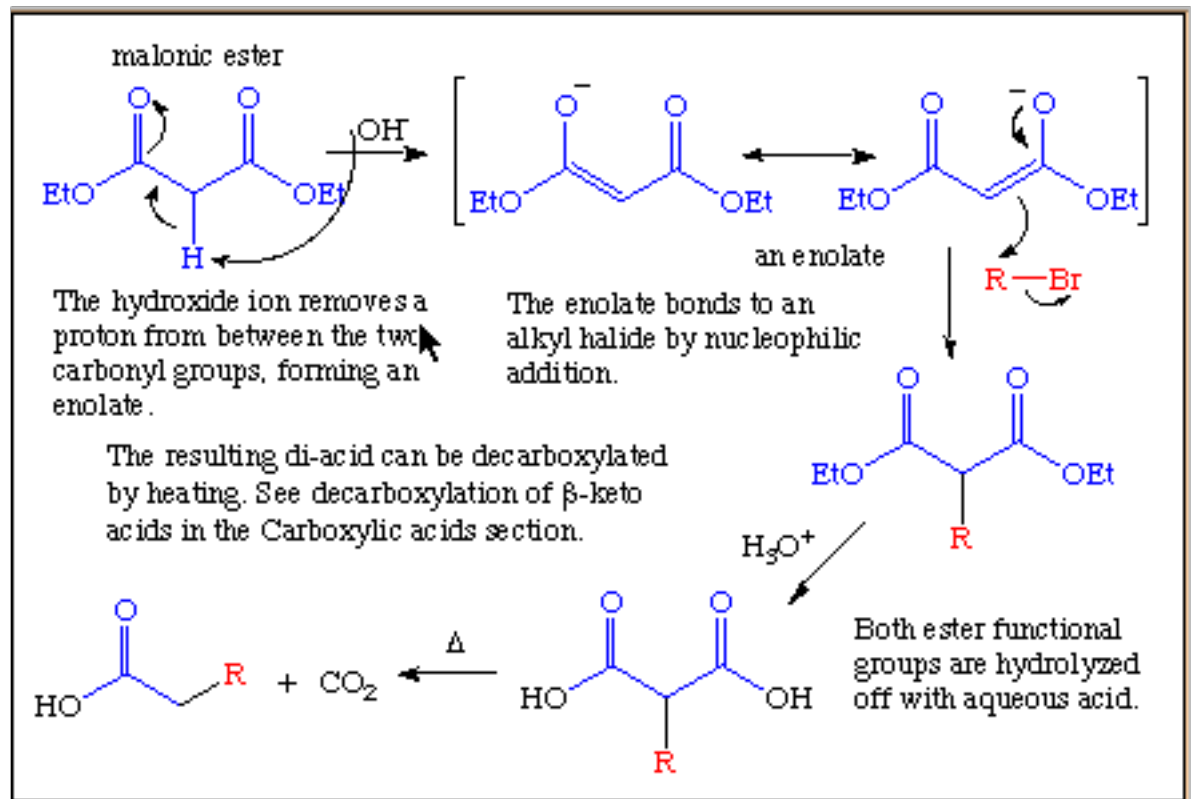
## 2. Claisen condensation



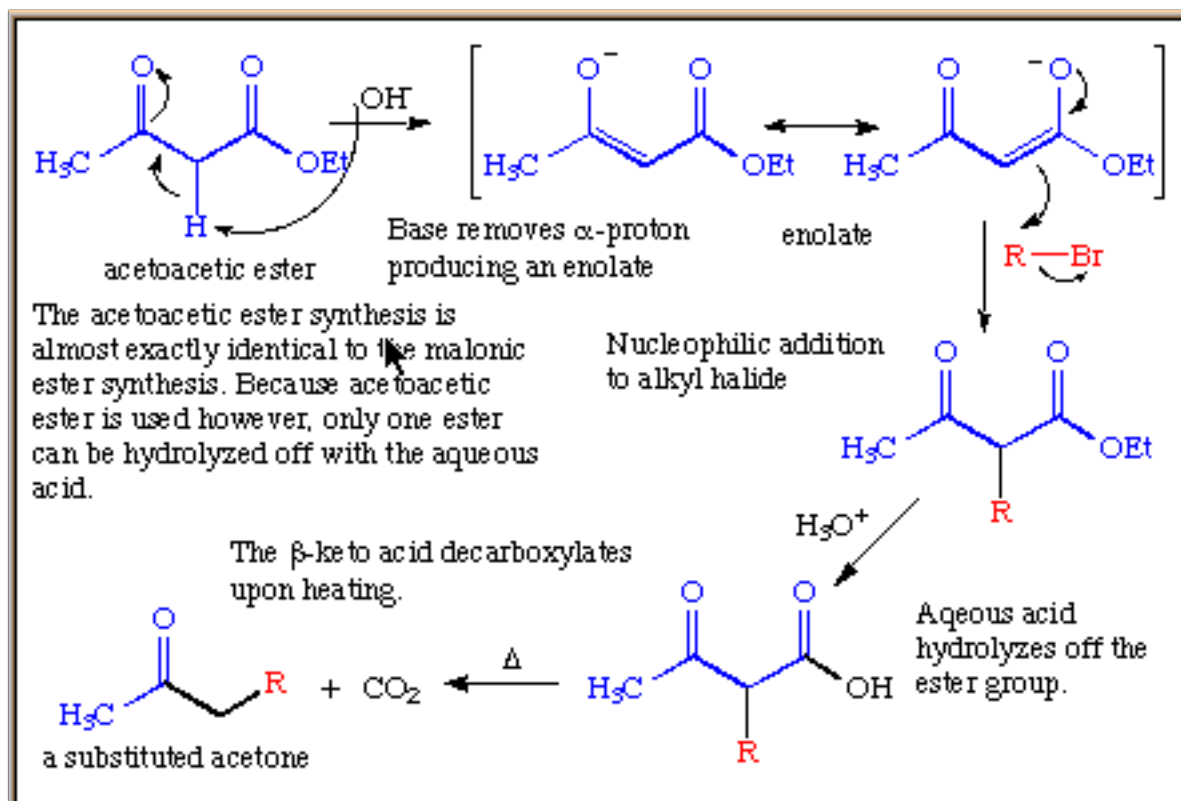
### 3. Decarboxylation of $\beta$ -keto acid



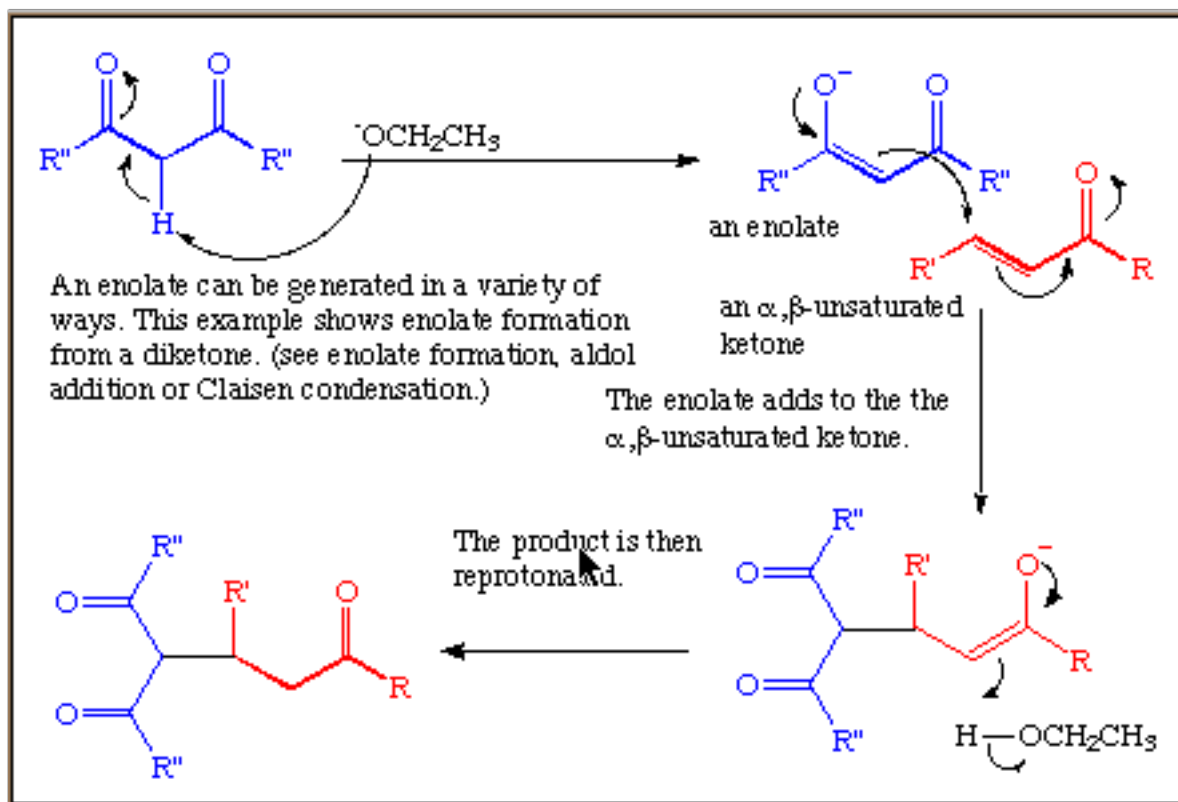
## 4. Malonic ester synthesis



## 5. Acetoacetic ester synthesis



## 6. Michael addition



## 7. Robinson Annulation

### The Robinson Annulation

