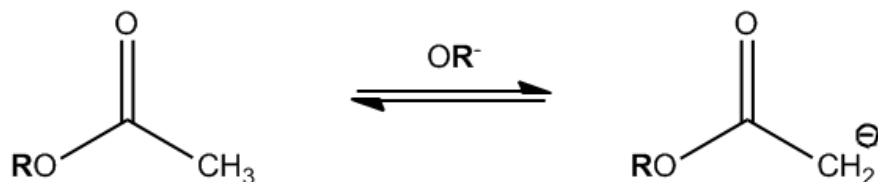


CONCEPT: CLAISEN CONDENSATION

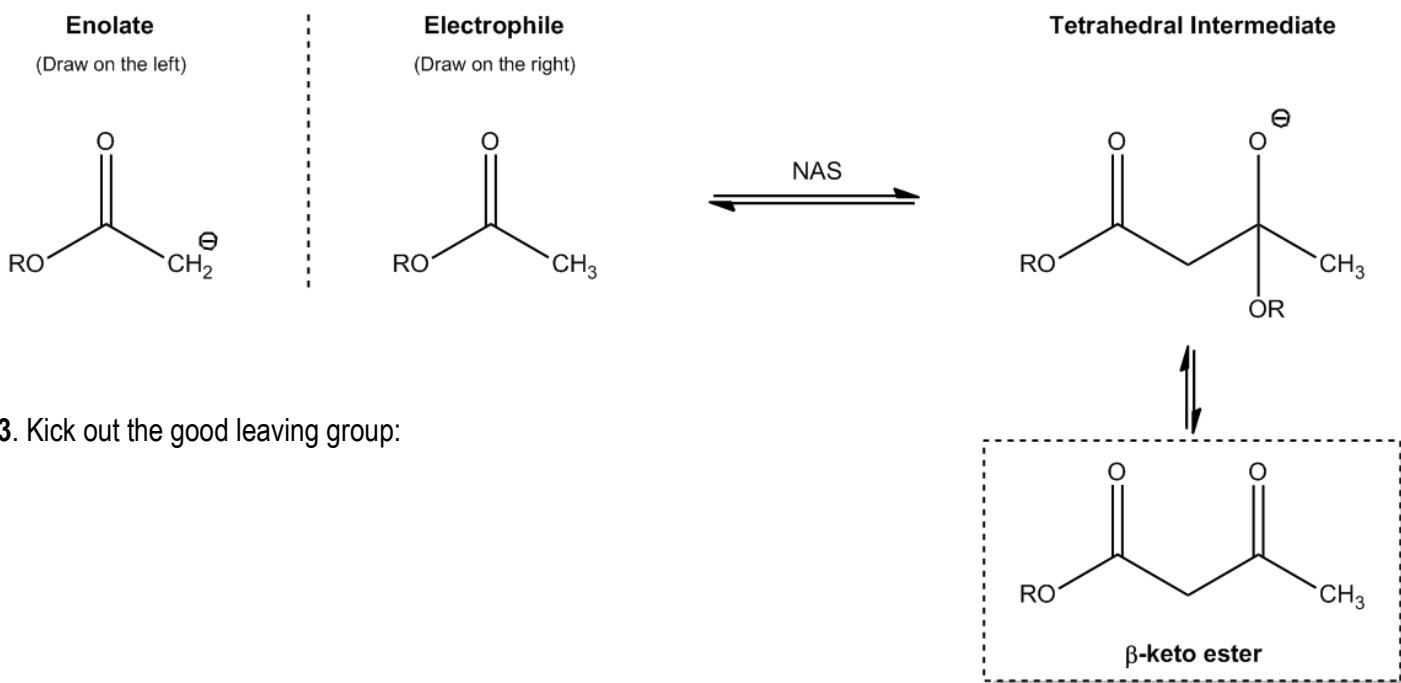
Via enolates, **esters** will react with _____ to condensate into _____

Mechanism:

1. Form the enolate

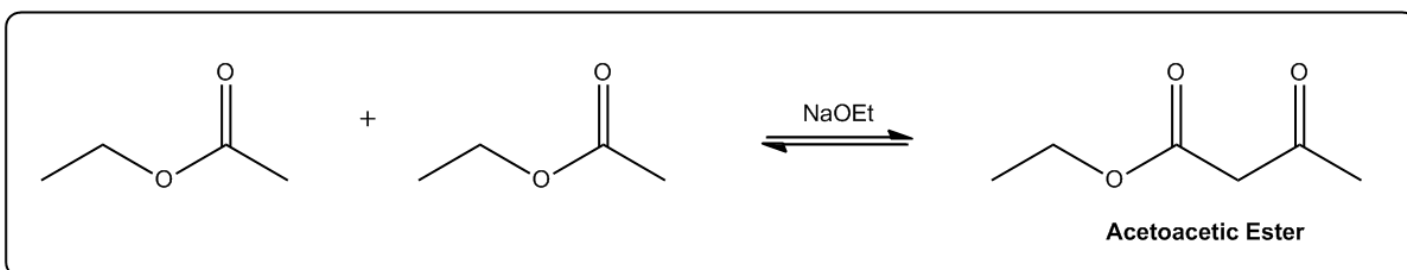


2. Nucleophilic attack the other carbonyl (which we will call the *electrophile*)

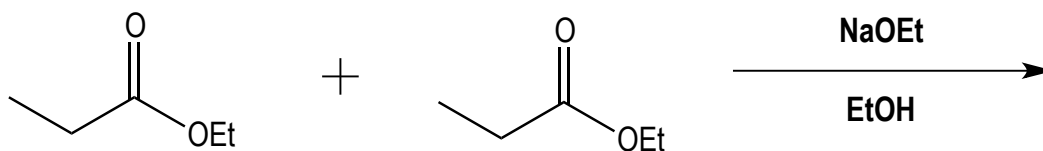


3. Kick out the good leaving group:

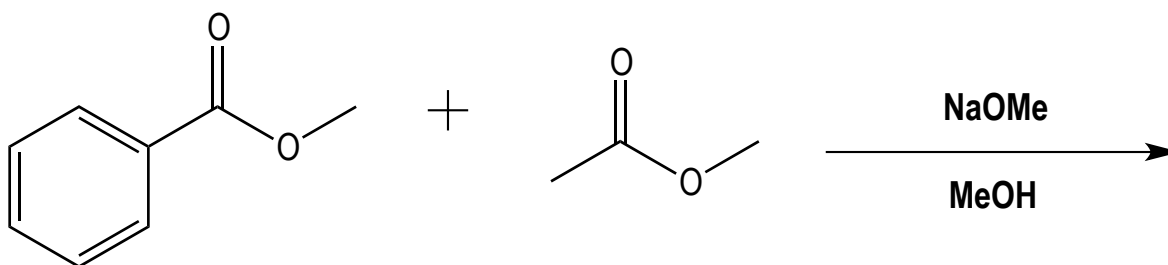
Example Application:



PRACTICE: Draw the structure of the Claisen condensation product for each of the following compounds.



PRACTICE: Draw the structure of the Claisen condensation product for each of the following compounds.



PRACTICE: Give the structure of the ester precursor for the following Claisen condensation product.

