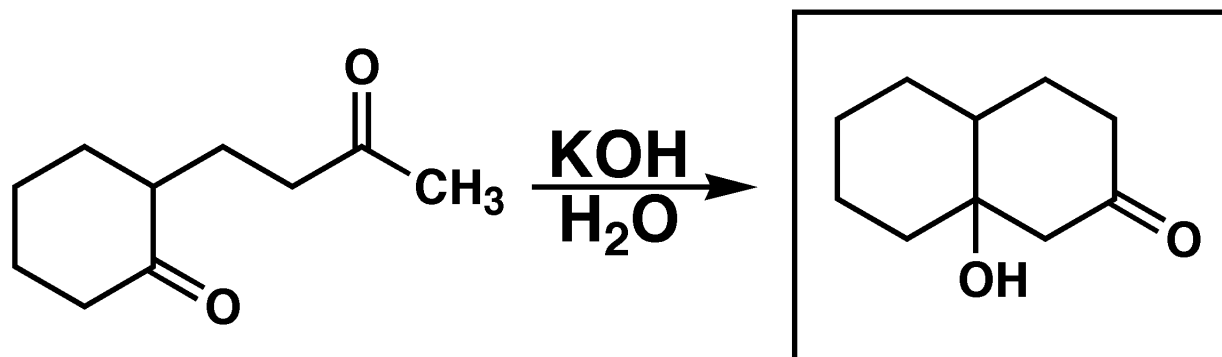


# Intramolecular Aldol Reaction

Another example of a “successful” mixed aldol reaction is when both enolate anion and carbonyl group to which it adds are in the same molecule



Because of the greater stability of 6-membered rings compared to 4-membered rings, only a single product is formed in this intramolecular aldol reaction.



# Discussion Problem

## The Robinson Annulation Reaction

**Annulation** is a chemical reaction in which a new ring is constructed on another molecule.

Conjugate addition	How conjugation changes the reactivity of carbonyl groups
Electrophilic addition to alkenes	Enolisation
Diels-Alder reactions	Direct conjugate addition with enols
Nucleophilic substitution	Conjugate addition of enolates
Elimination	<b>Robinson annulation</b>
Electrophilic aromatic	Dimedone synthesis

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