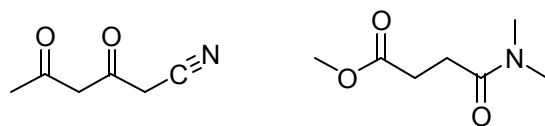
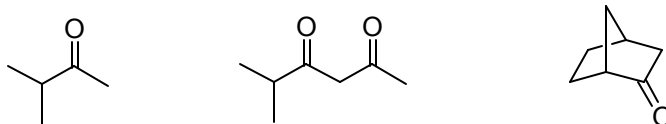


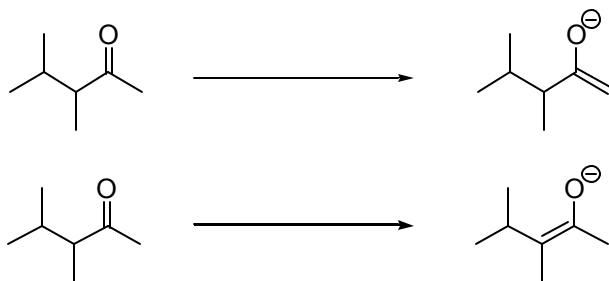
Section Problem Set
Carbonyl Chemistry III, Reactions at the Alpha Position

Problem 1 Acidity of organic compounds.

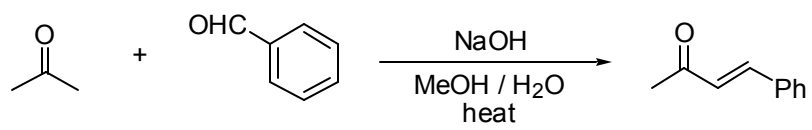
a) Identify the most acidic proton in each of the following compounds.



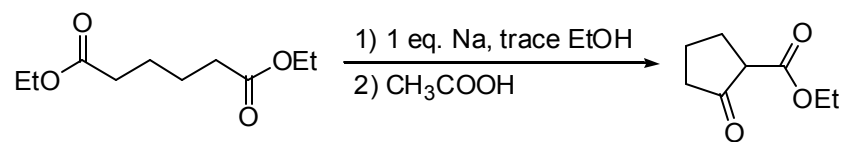
b) Provide the necessary reagents to generate the enolates shown.



Problem 2 Propose a mechanism for this run-of-the-mill mixed Aldol condensation.



Problem 3 The Dieckmann reaction has a really cool sounding name. Provide a mechanism for it.



FYI:

