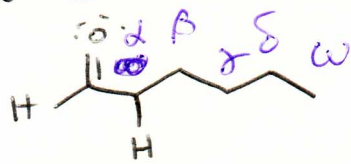
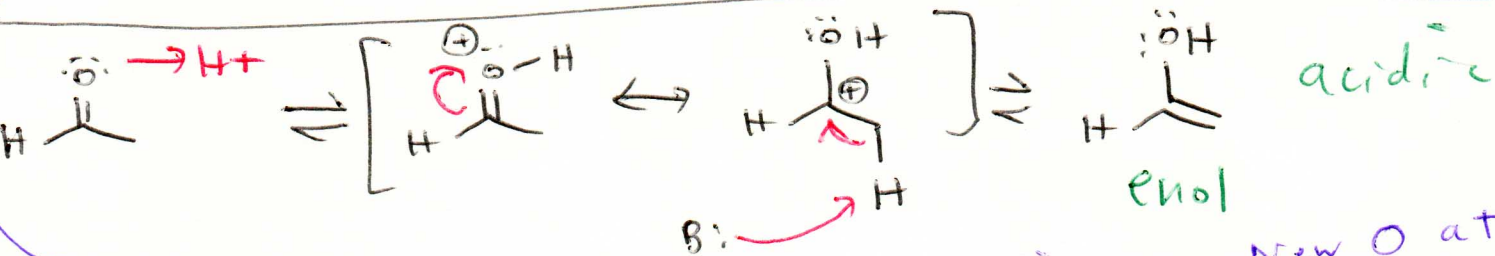
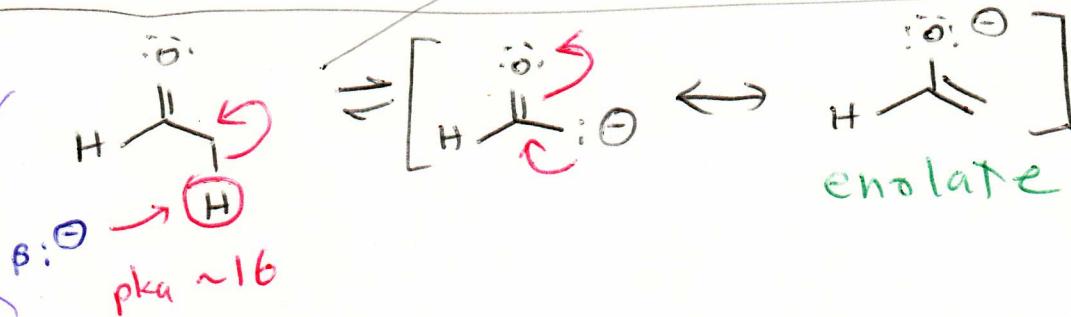
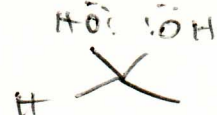
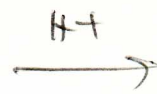


4/16/12



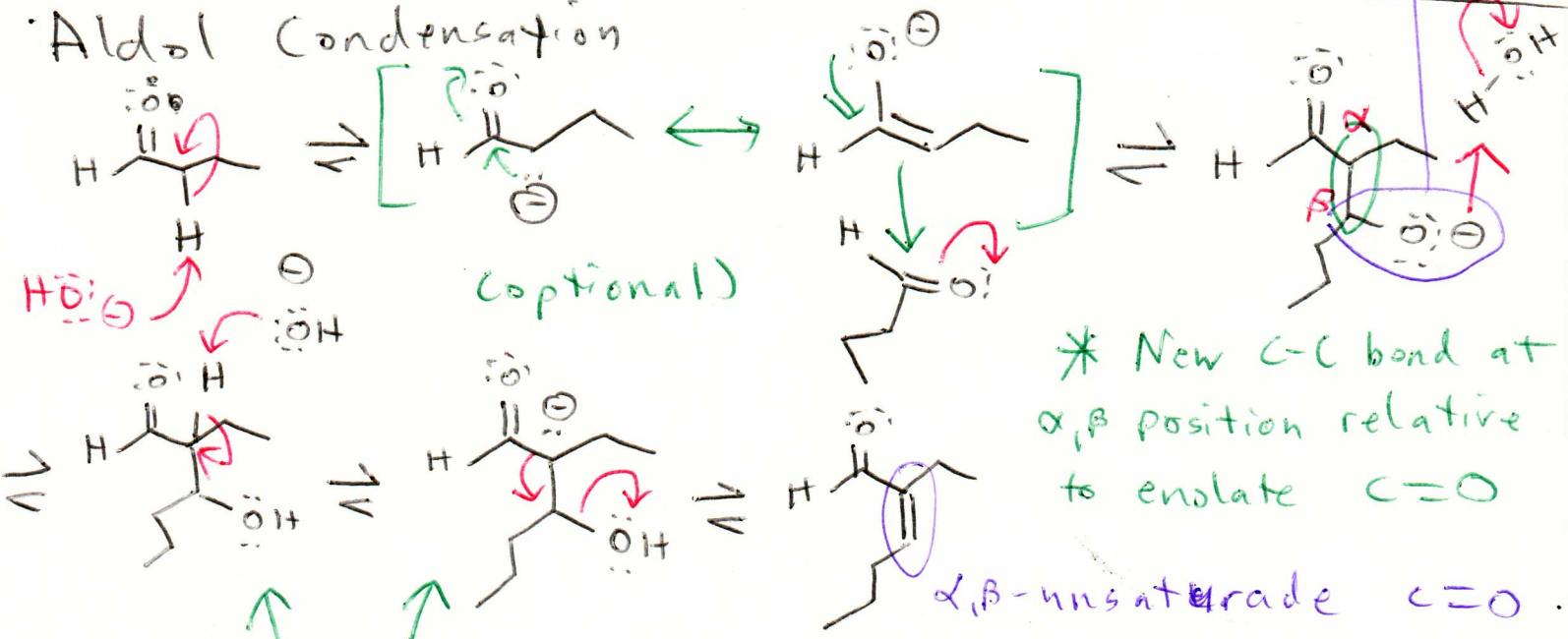
NaOH



keto-enol tautomerization

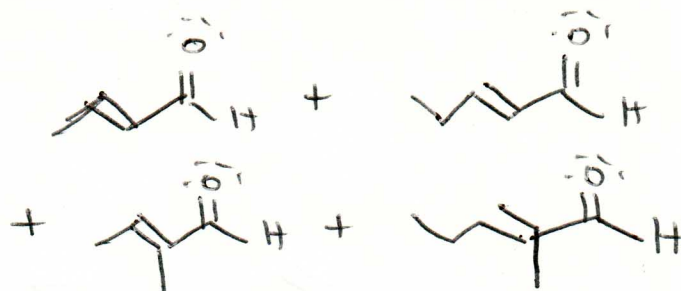
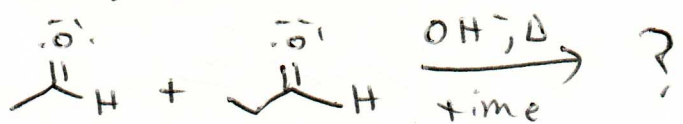
New O at β position

Aldol Condensation

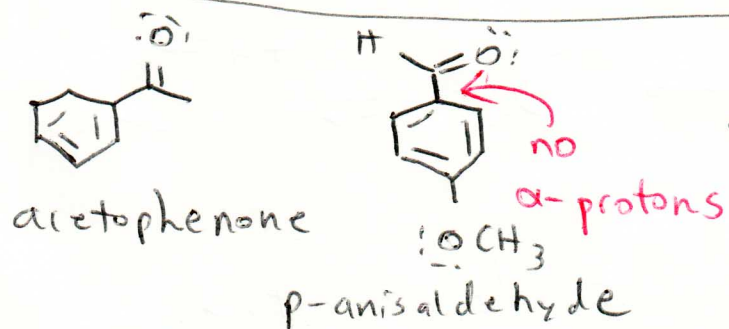


two separate steps! (E1cB)

Mixed Aldol



When dissimilar compounds are used in aldol condensation (mixed aldol), potentially four compounds can result.



This is an example of an ideal mixed aldol since:

- 1) Only one compound has α hydrogens, so only one enolate forms

2) Aldehydes are more reactive than ketones, so the enolate will likely react w/ only one starting material.

