

Last Name:

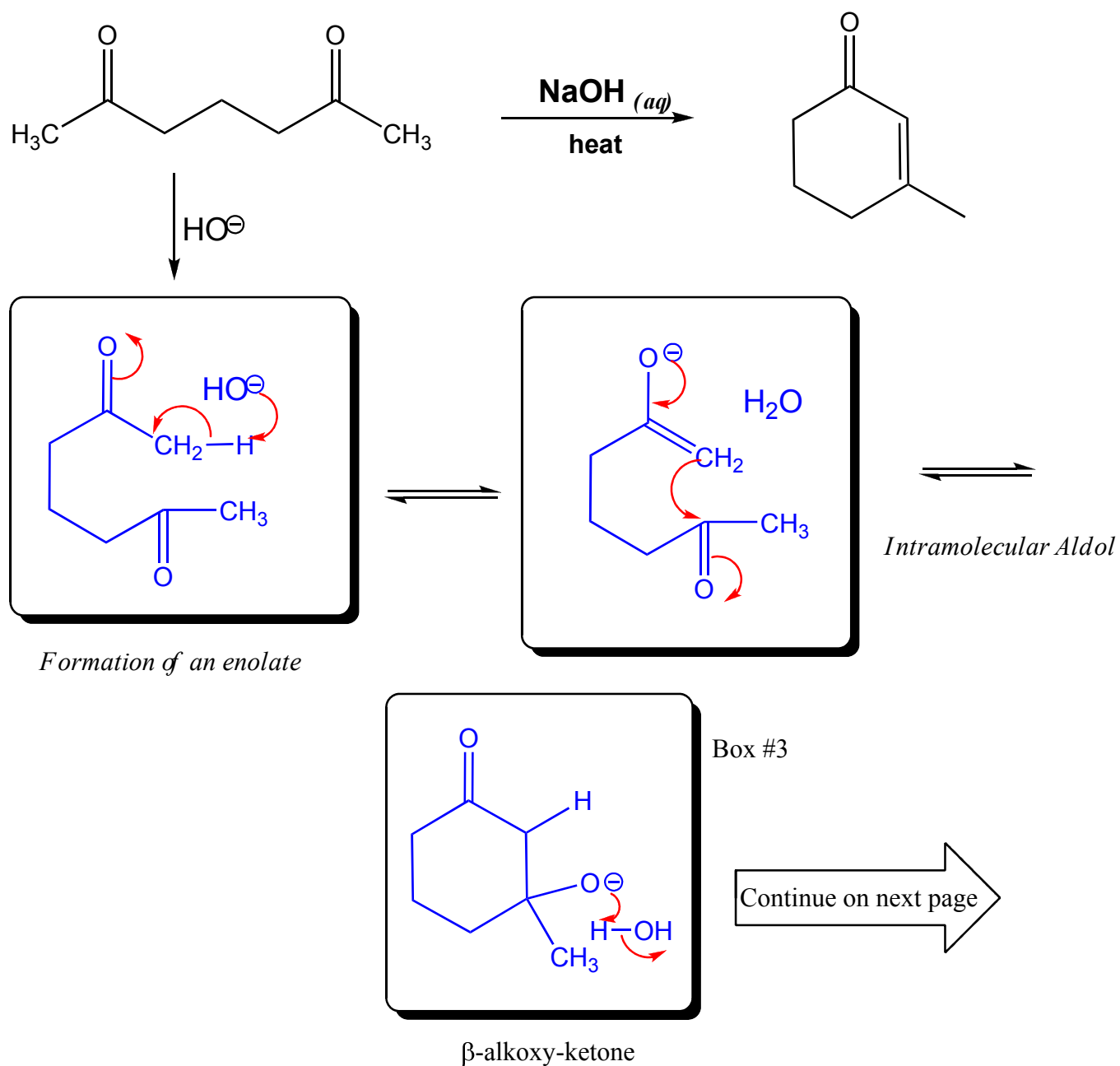
First Name:

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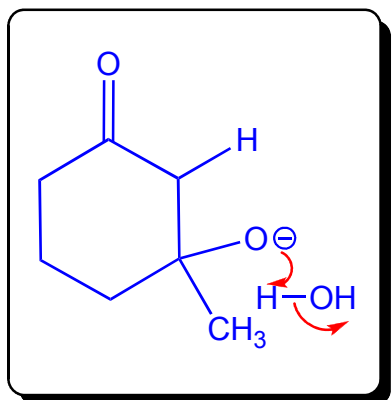
SCORE: **KEY**

Deadline for CH310N HW 5, Due: Oct 17 3:00 PM

Mechanism: 2,6-Diketones can be cyclized to form cyclohexenones, through a series of equilibrating intermediates. Propose a mechanism for the example below. Show all important flows of electrons, charges and intermediates. Where indicated, (in the structure boxes)- draw the intermediates.

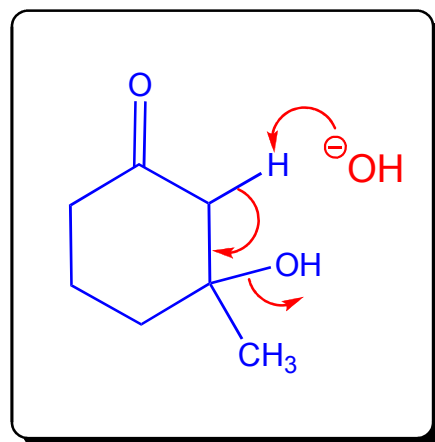


This is the same box #3:



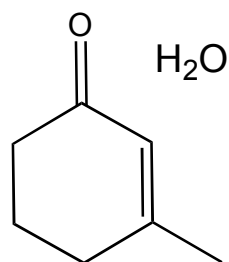
β -alkoxy-ketone

Proton transfer
 \rightleftharpoons
(from water)



β -hydroxy-ketone

\rightleftharpoons *Dehydration*



Final Product