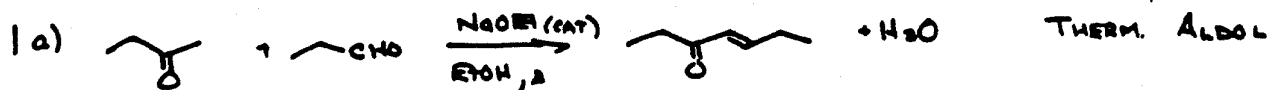
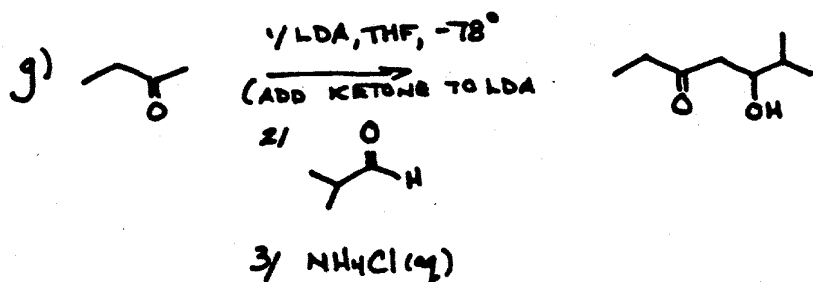
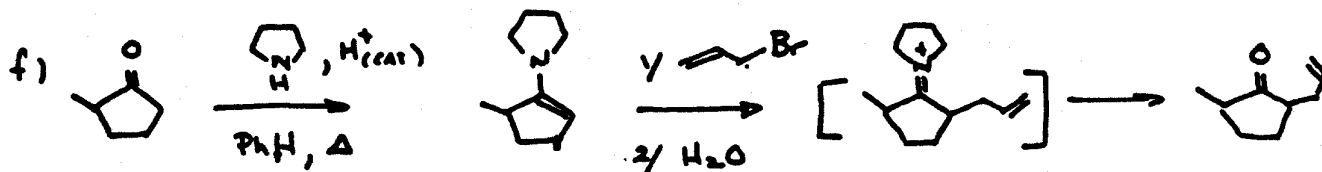
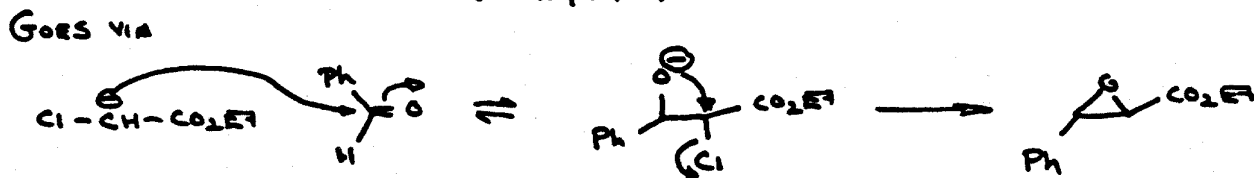
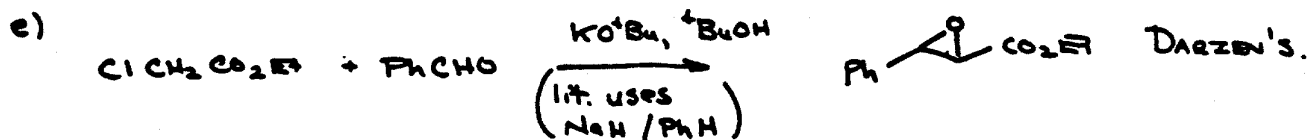
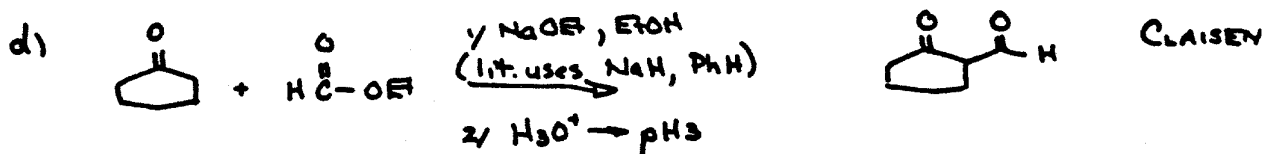
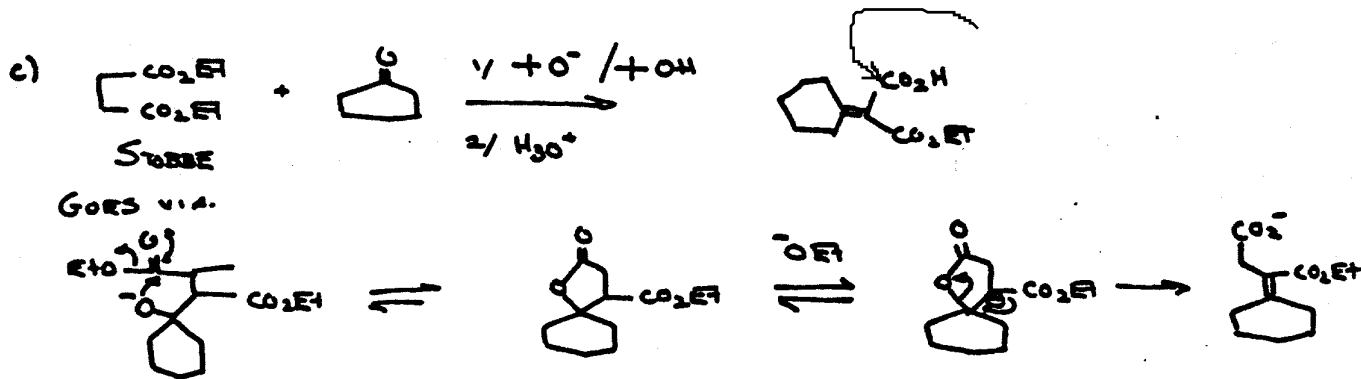
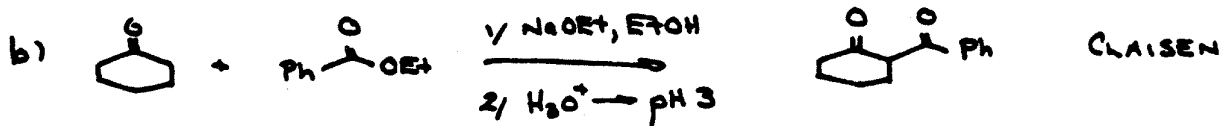


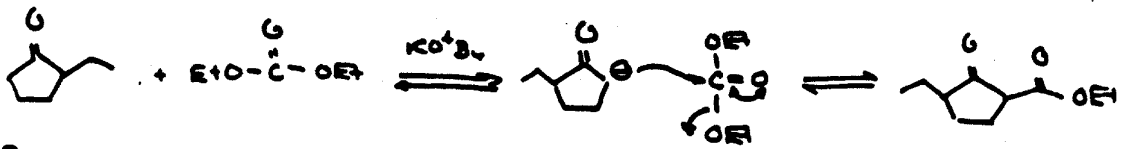
Suggested Answers - Practice Problem Set I



NOTE: REACTION GOES ON LESS SUBSTITUTED SIDE BECAUSE OF FASTER H₂O ELM.

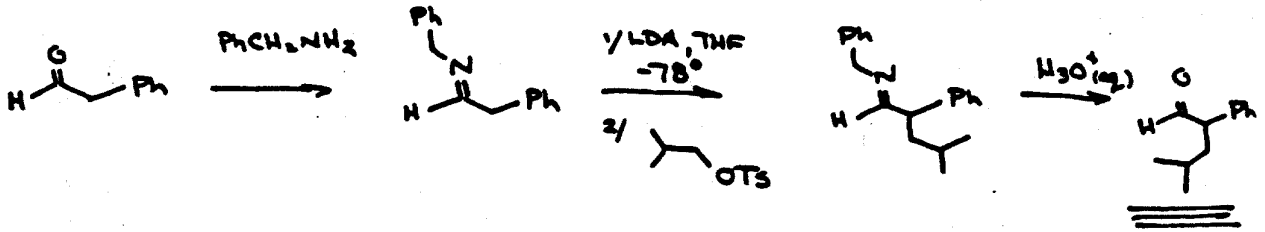


2a)

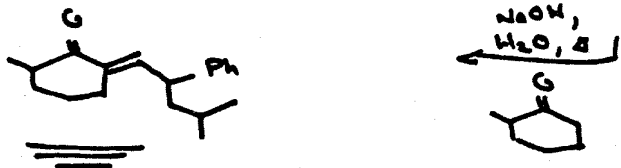


NOTE: RXN DOES NOT GIVE
BECAUSE STEP LABELLED
"A" CAN'T HAPPEN,
∴ RXN NOT DRIVEN
TO COMPLETION

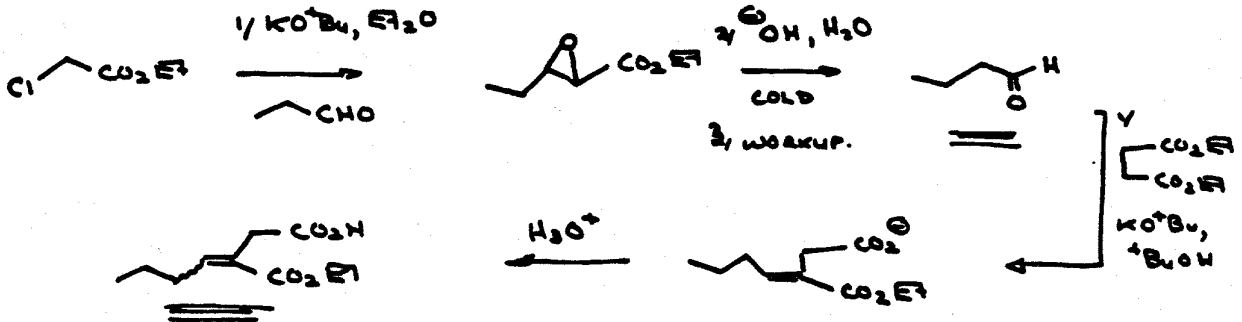
b)



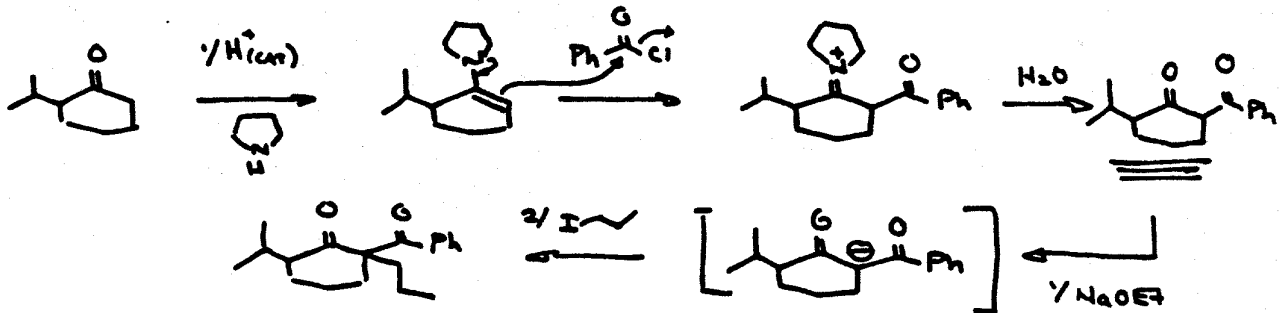
THERMOD. ALDOL GOES ON
LESS SUBST. SIDE



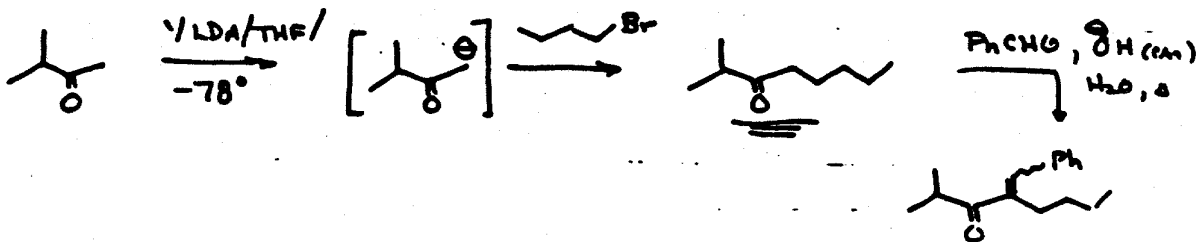
c)

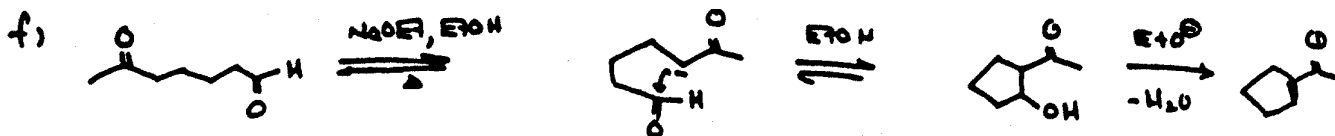


d)



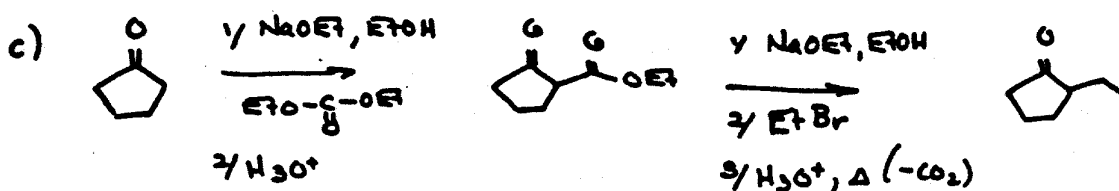
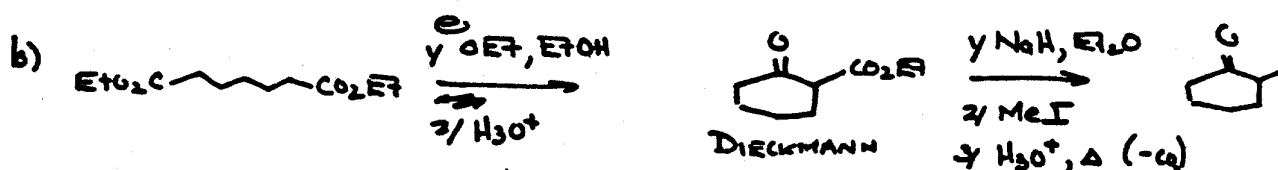
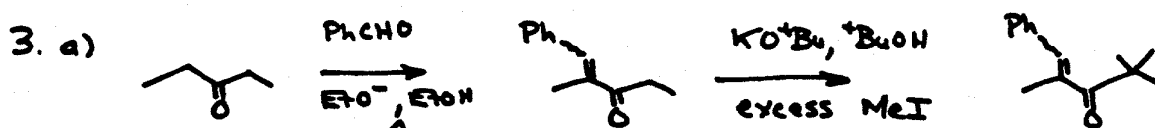
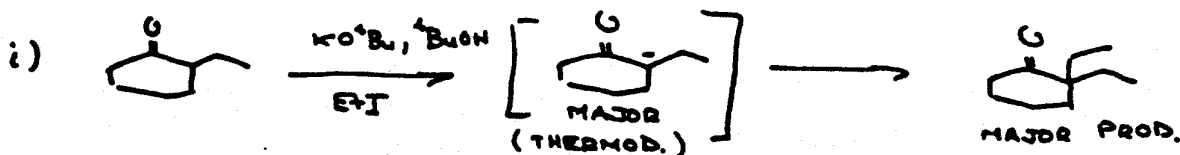
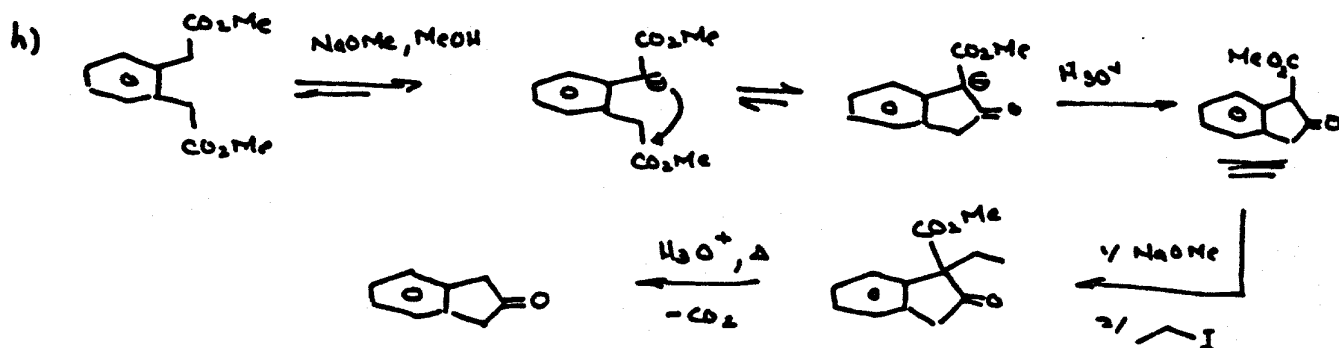
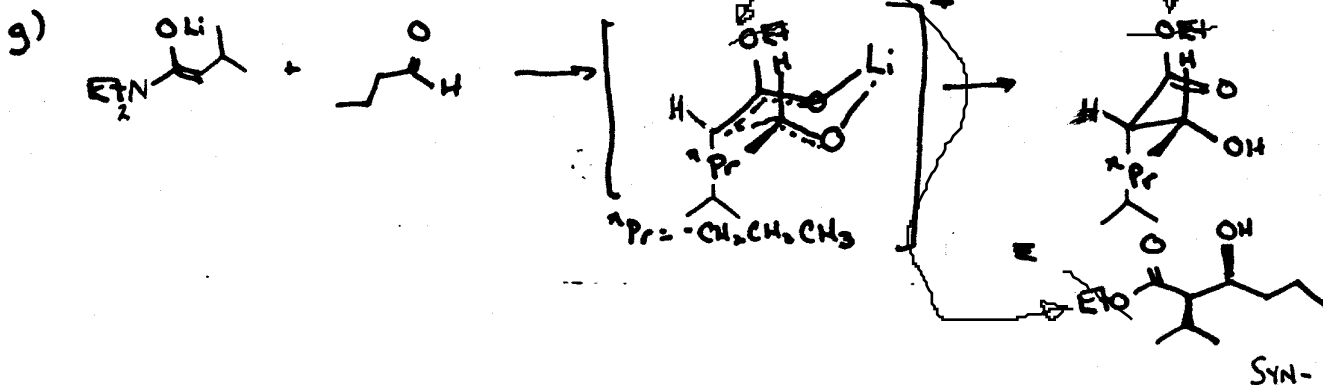
e)

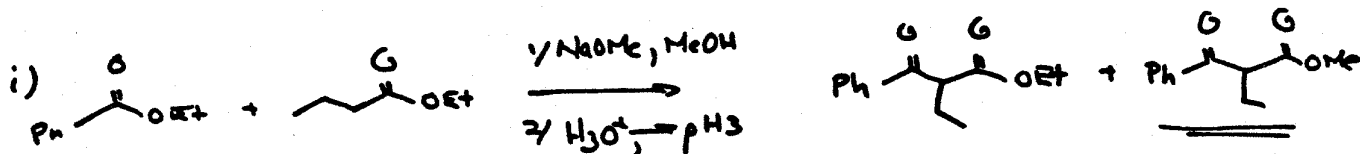
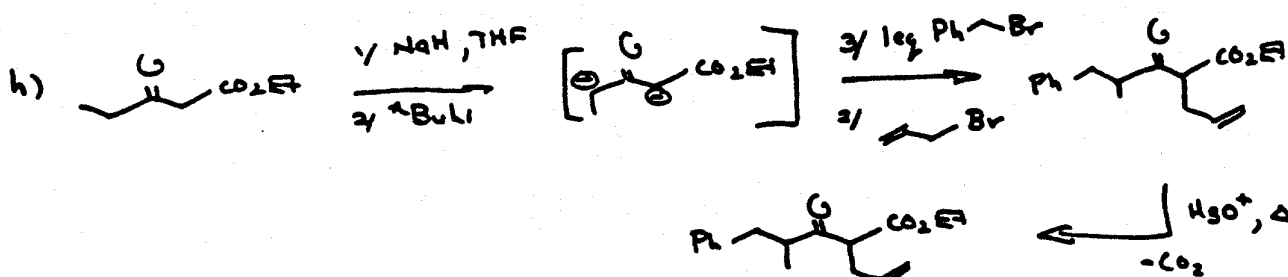
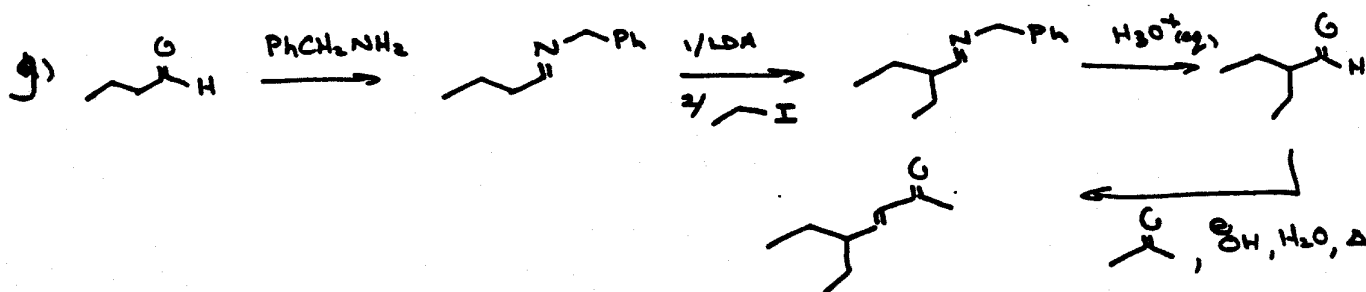
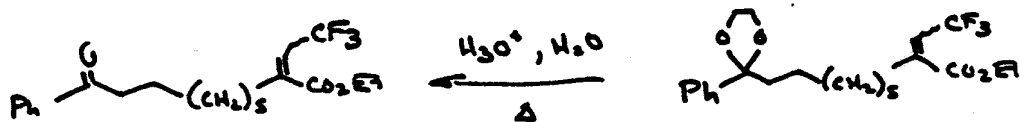
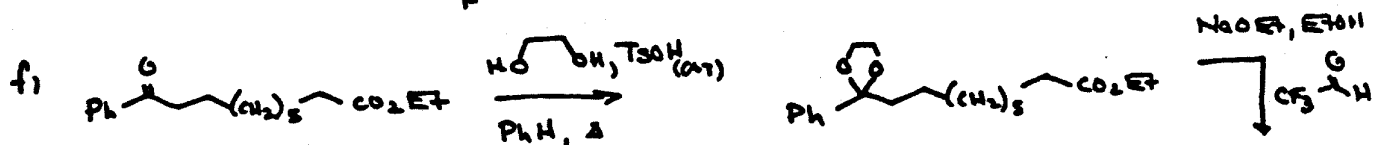
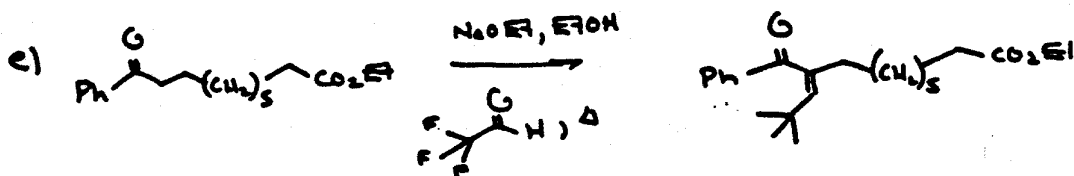
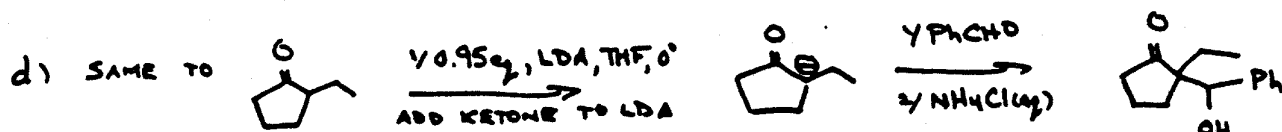
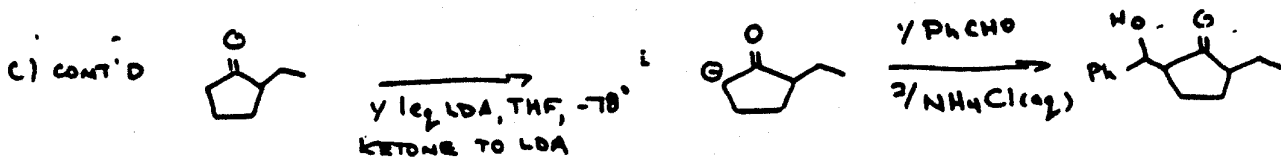




REMEMBER: - BECAUSE OF ELIMINATION KETONE ANION ATTACKS ALDEHYDE C=O RATHER THAN THE REVERSE

- FIVE MEMBERED RING PREFERRED TO SEVEN





DUE TO ⁻OMe INDUCED TRANSESTERIFICATION