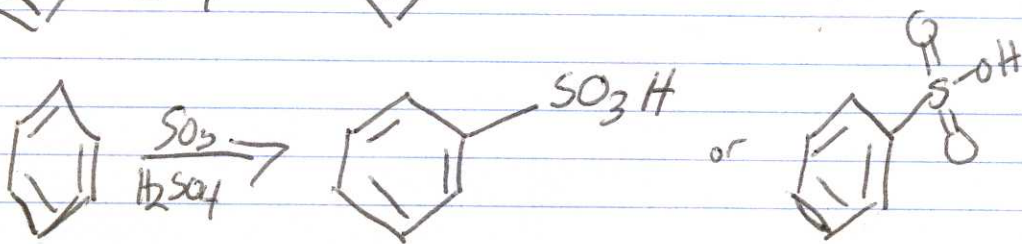
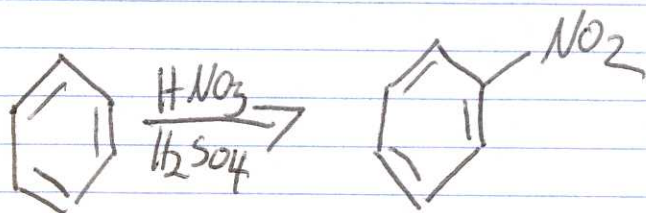
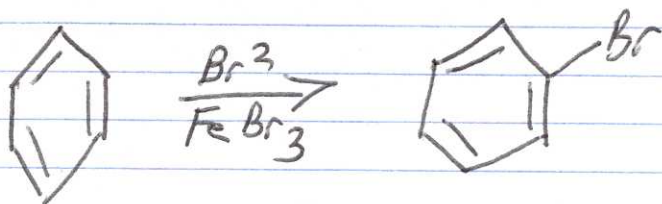
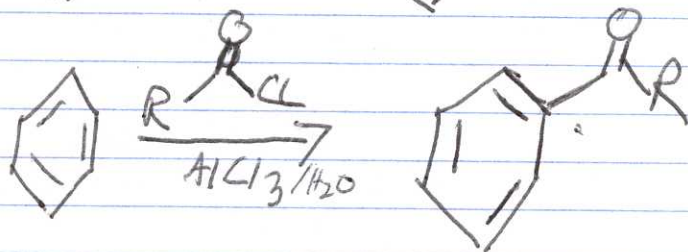
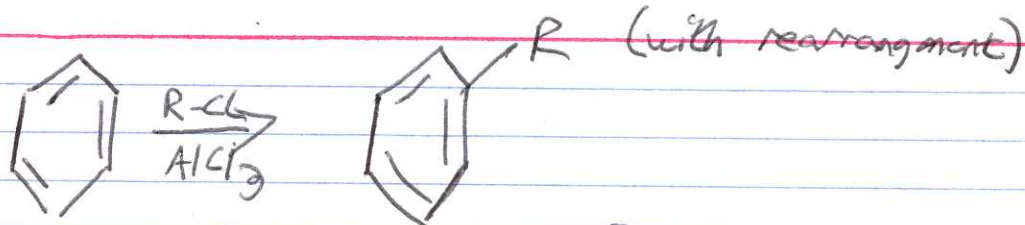


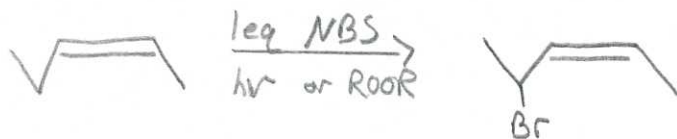
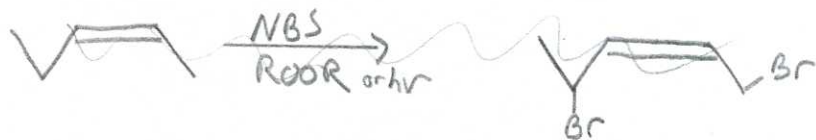
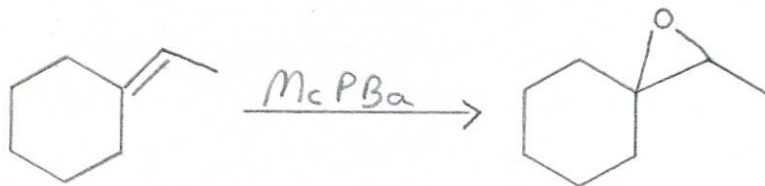
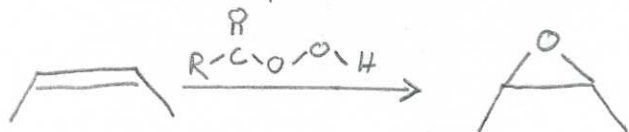
ORGANIC CHEMISTRY REACTION SHEETS

FOR ORGANIC CHEMISTRY I & II

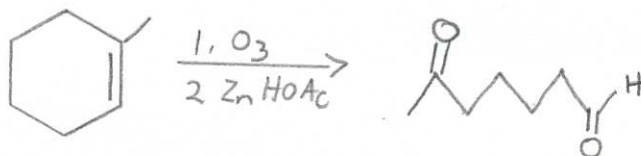
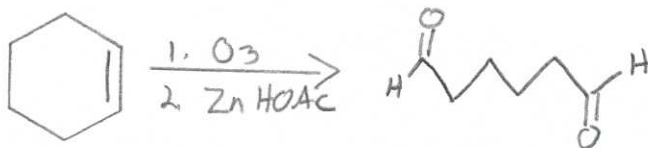
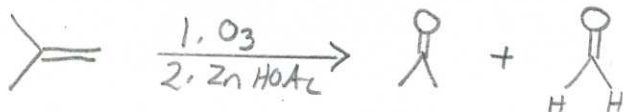
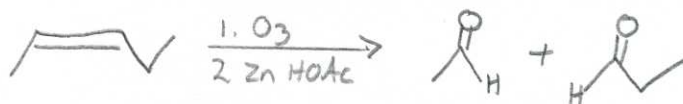
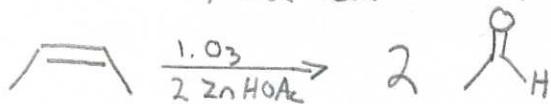




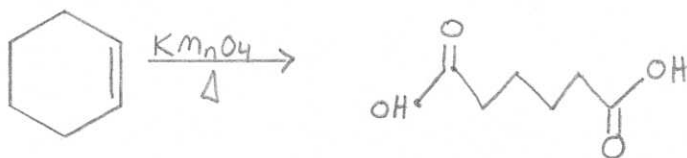
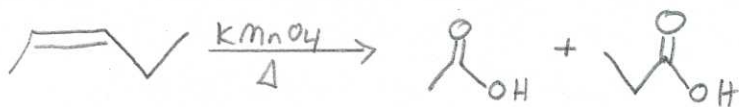
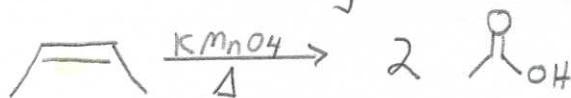
Epoxidation



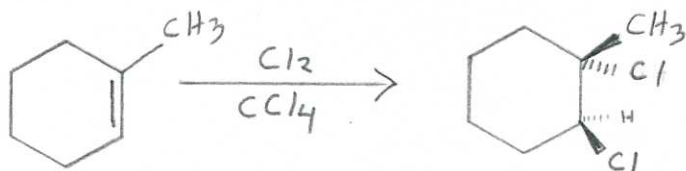
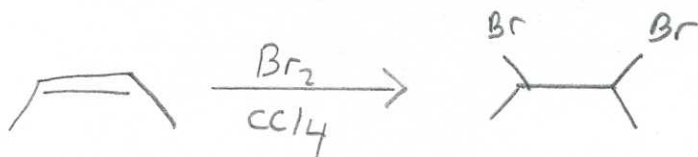
Mild Oxidation - Ozonolysis



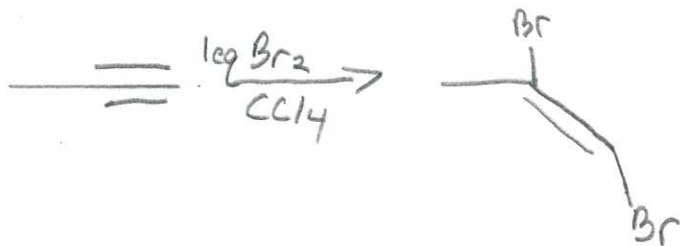
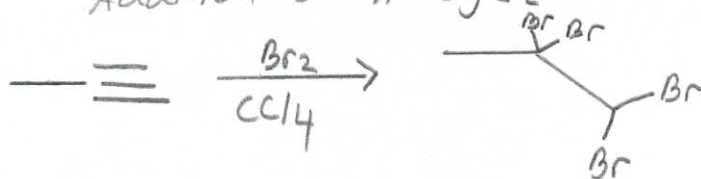
Strong Oxidation



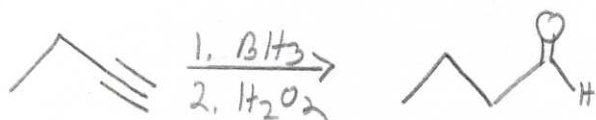
Addition of Halogen to alkene



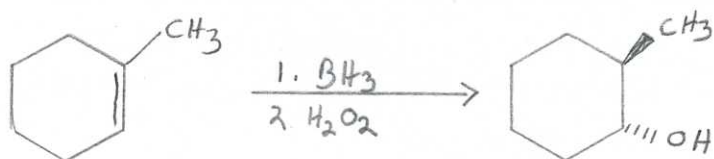
Addition of Halogen to Alkyne



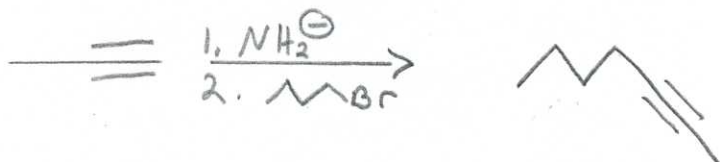
Hydroboration of Alkynes



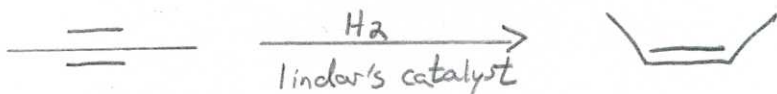
Hydroboration of Alkenes



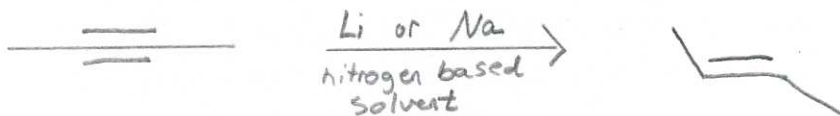
Alkylation



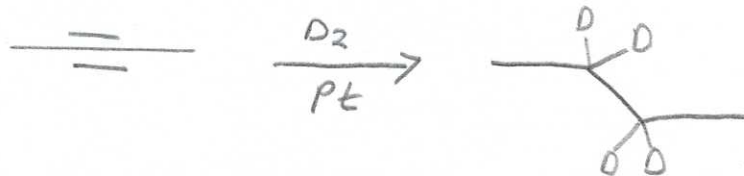
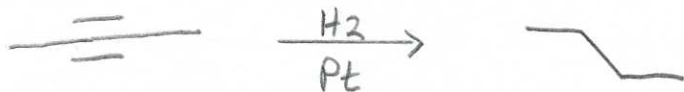
Reduction - Synthesis of cis-Alkenes



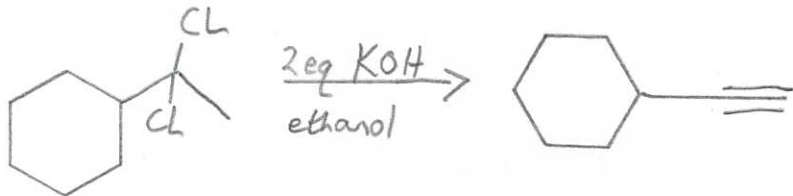
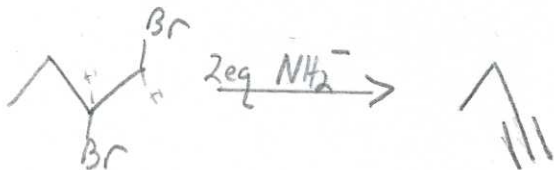
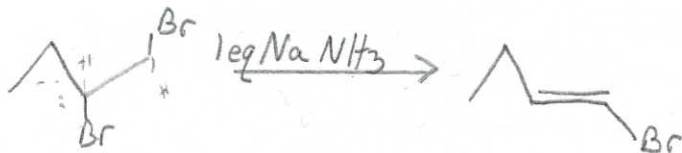
Reduction - Synthesis of trans-alkenes

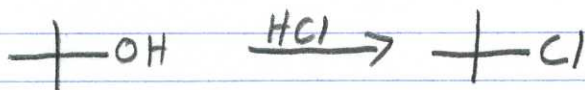
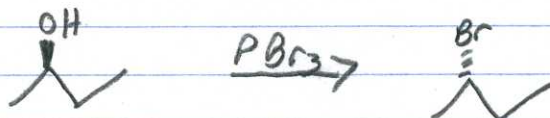
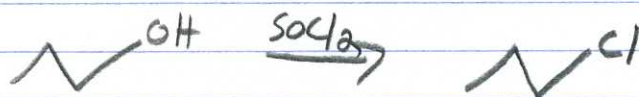
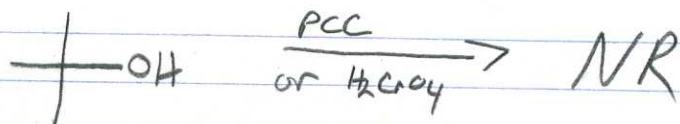
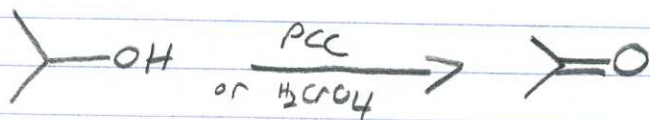
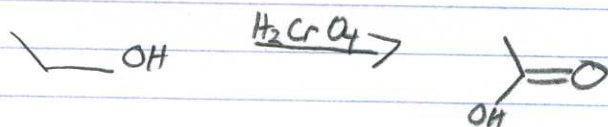
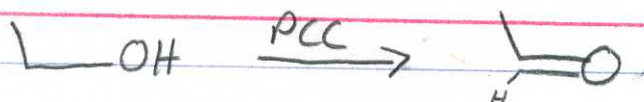


Reduction of Alkynes (general)

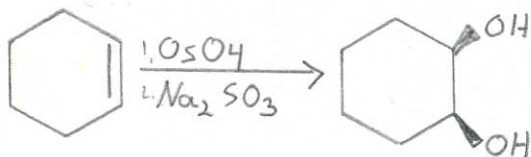
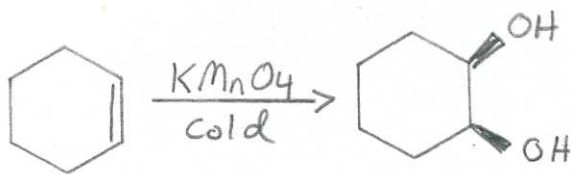


Preparation of Alkynes

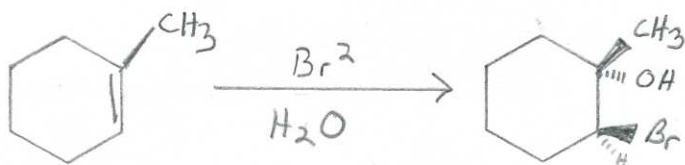




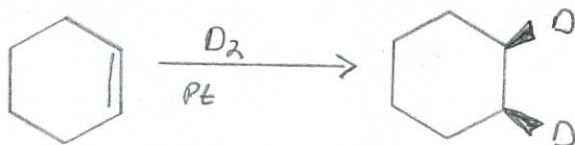
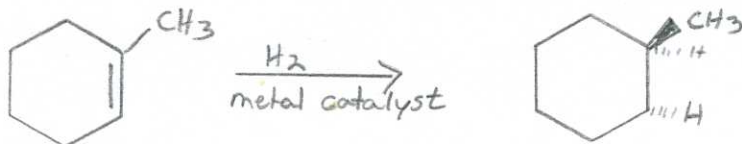
Syn 1,2 Dihydroxylation

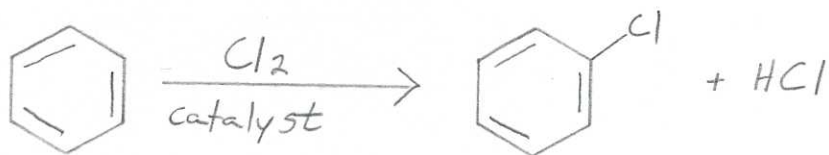


Halohydrin Formation

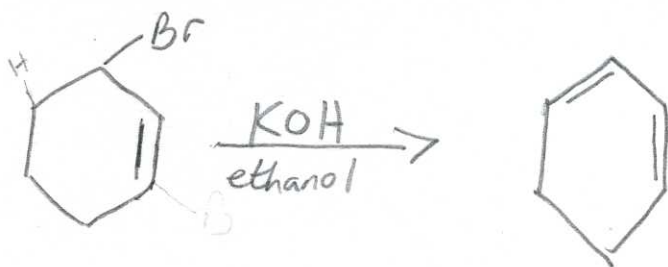


Hydrogenation - Reduction (syn)

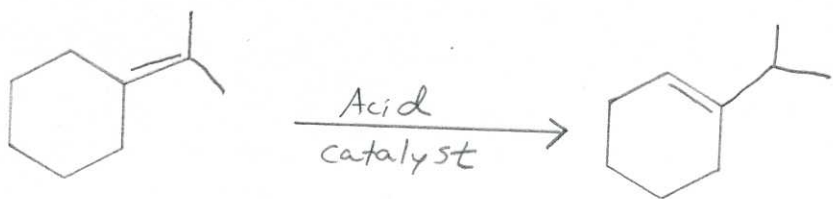


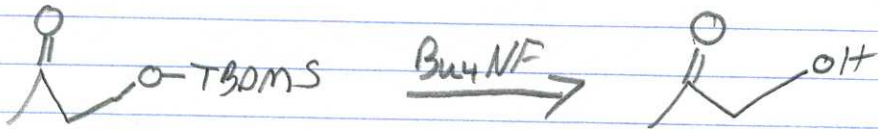
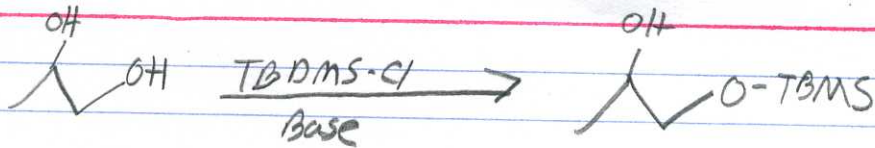


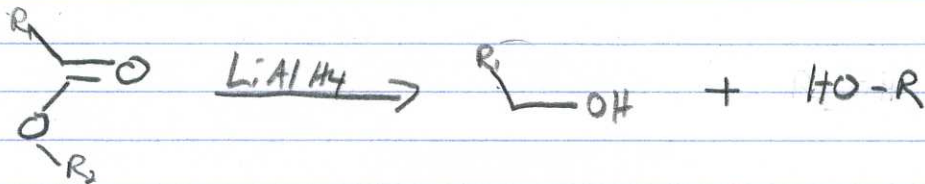
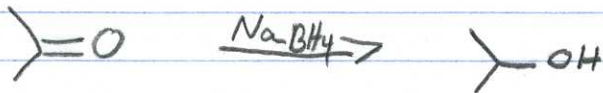
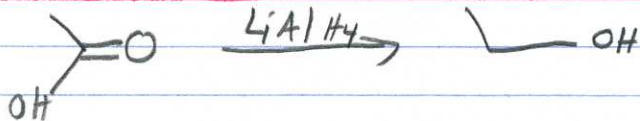
Elimination

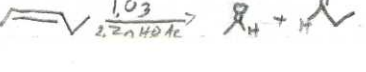
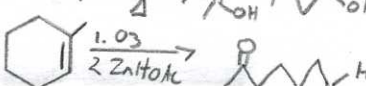
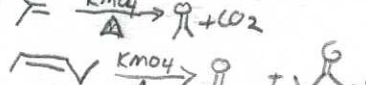
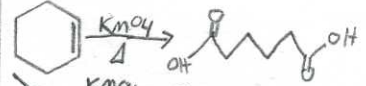
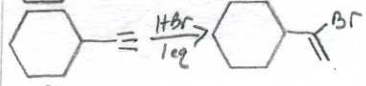
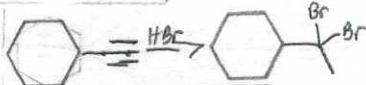
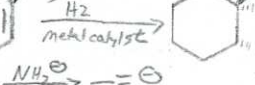
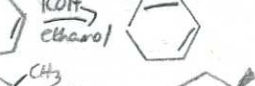
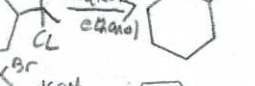
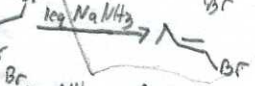
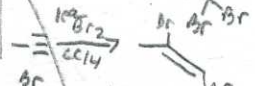
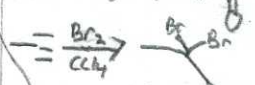
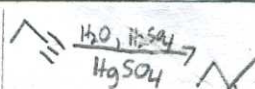
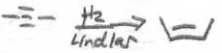
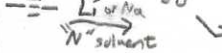
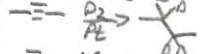
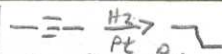
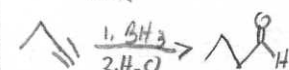
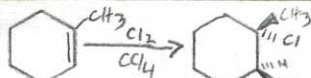
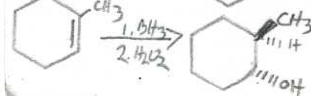
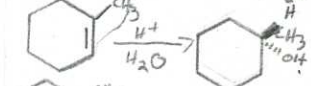
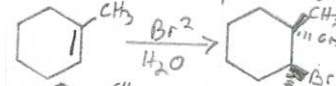
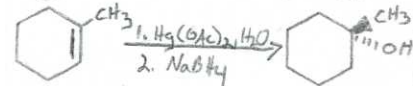
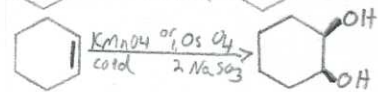
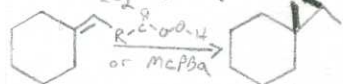
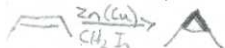
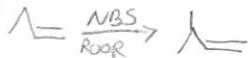
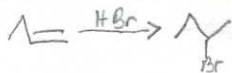


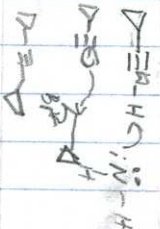
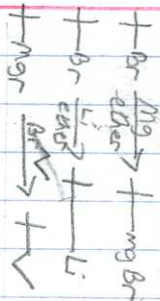
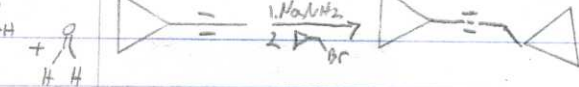
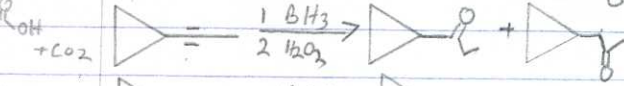
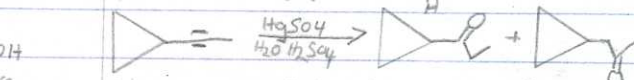
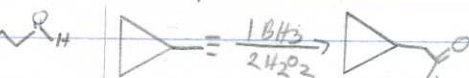
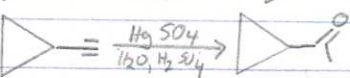
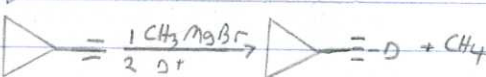
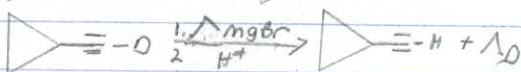
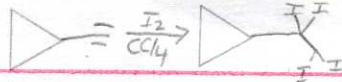
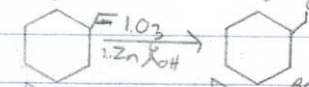
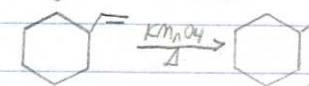
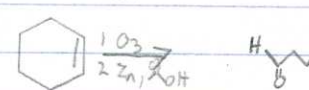
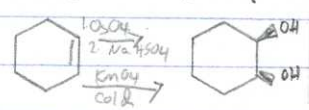
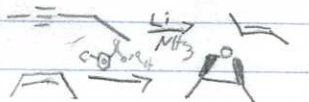
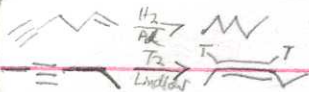
Rearrangement



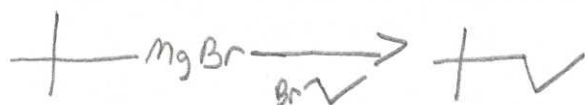
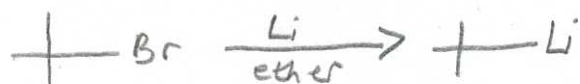
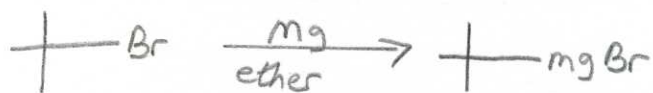




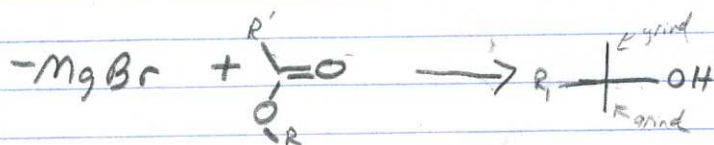


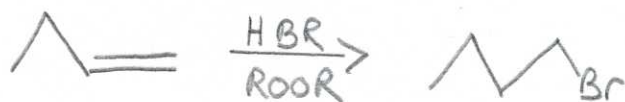
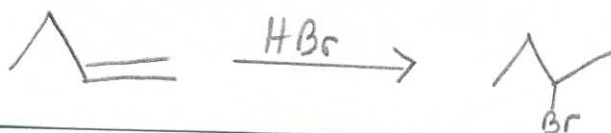
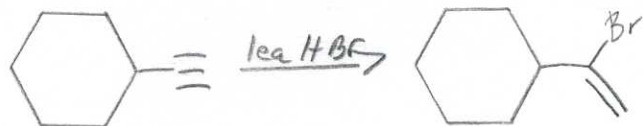
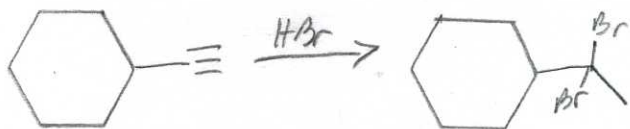


Grignard

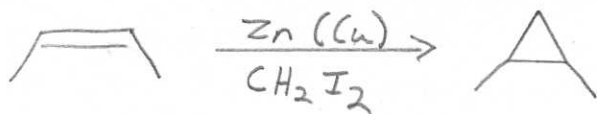


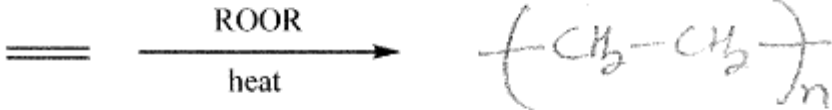
Grignard



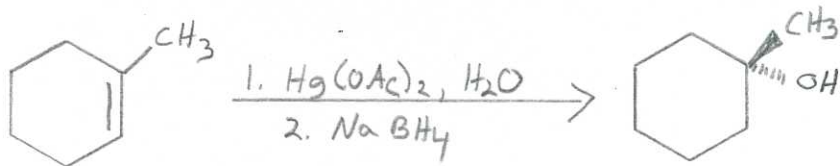
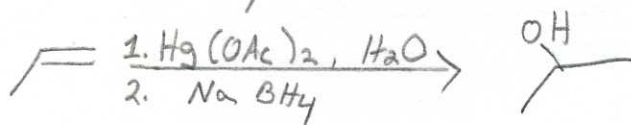


Simmon-Smith Cyclopropane Synthesis

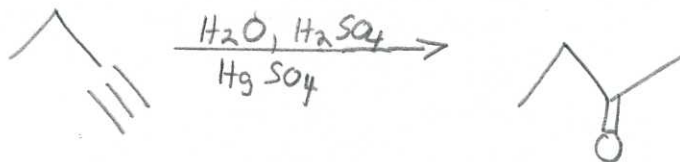




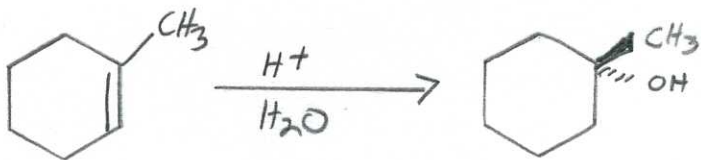
Oxymercuration of Alkene

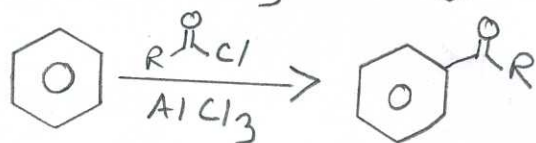
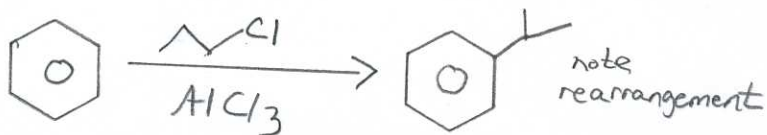
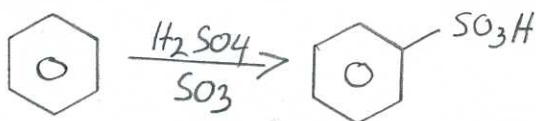
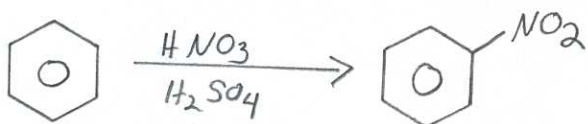
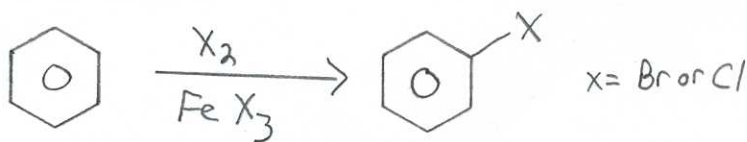
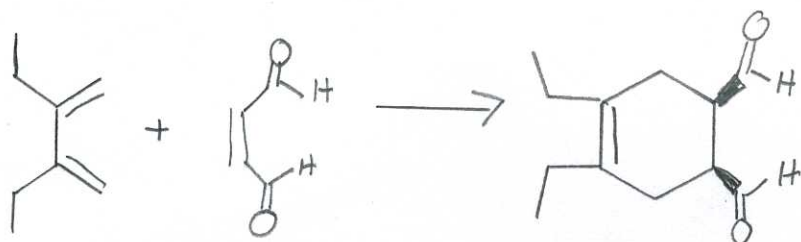
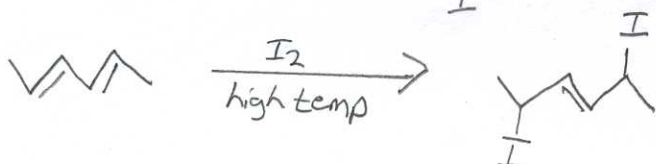
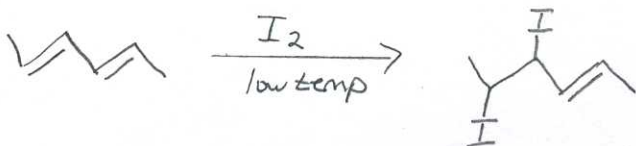
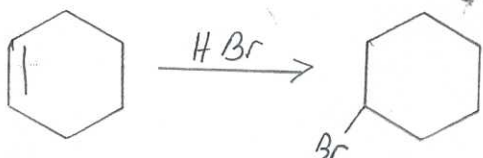
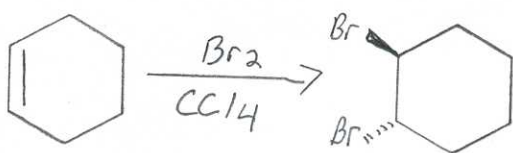
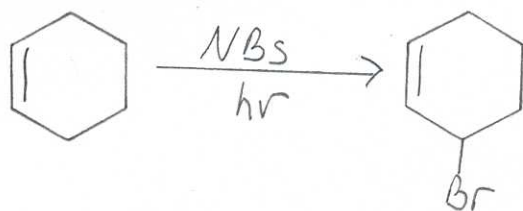


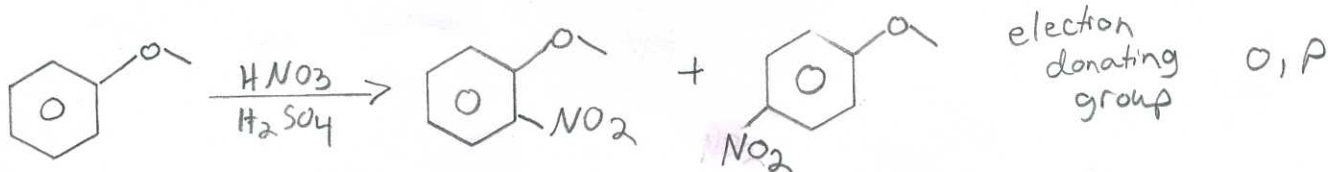
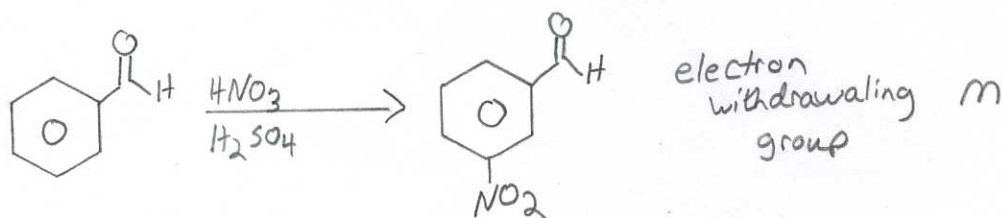
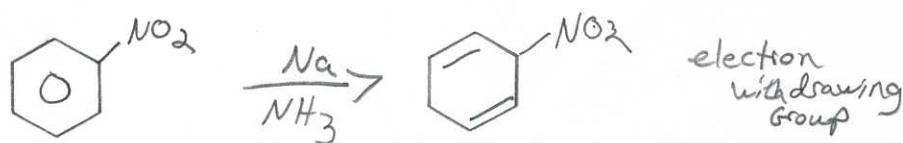
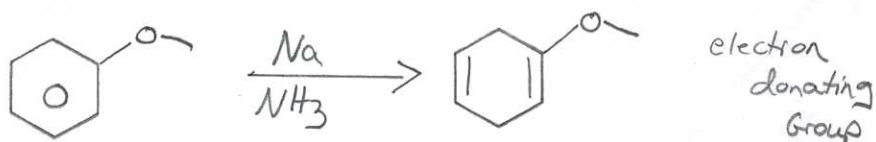
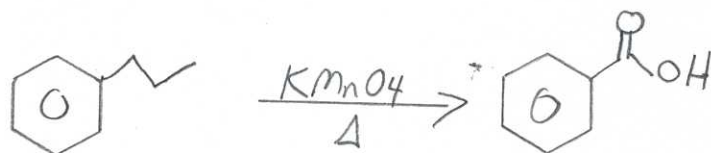
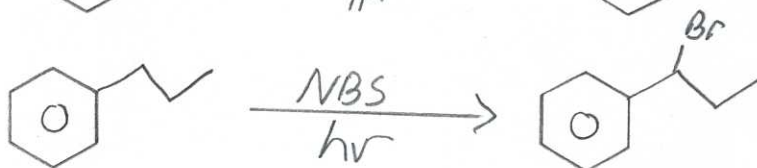
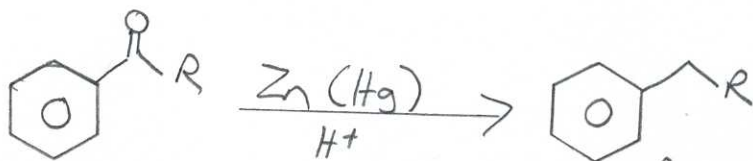
Oxymercuration of Alkyne



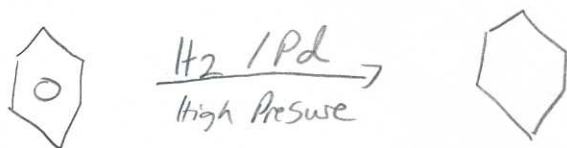
Acid-Catalyzed Hydration

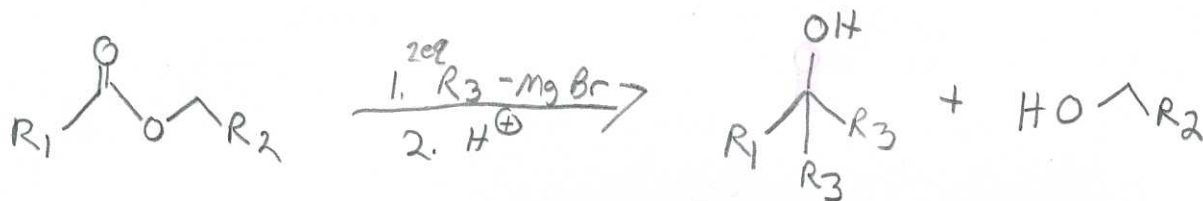
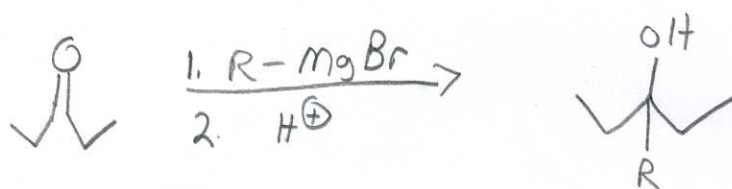
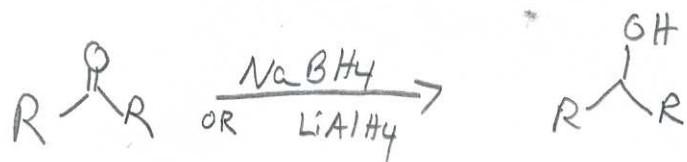
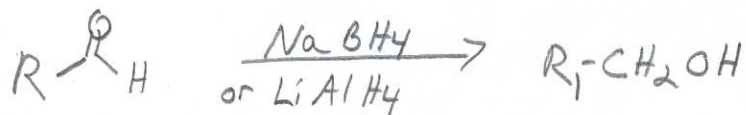
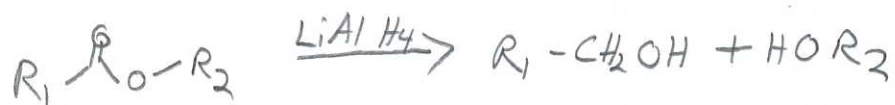
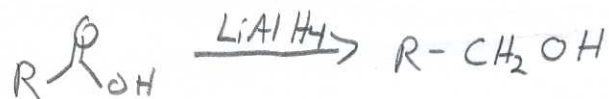




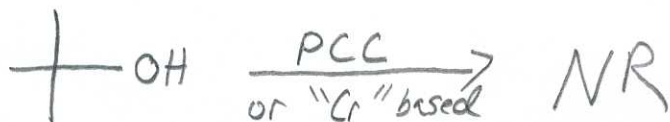
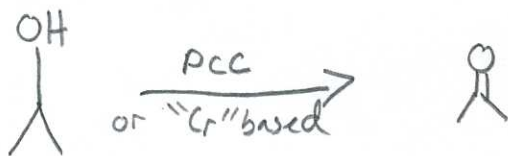
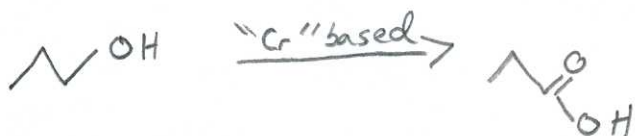
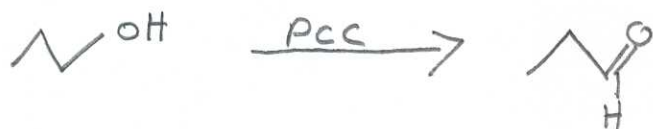


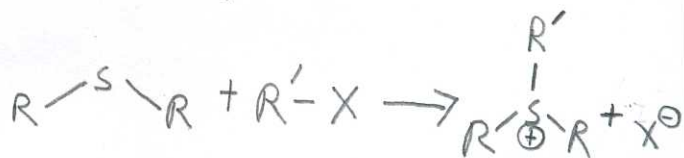
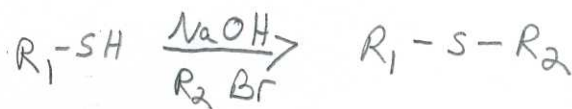
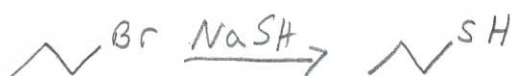
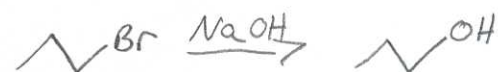
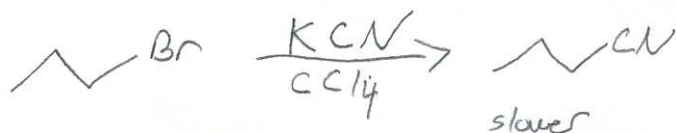
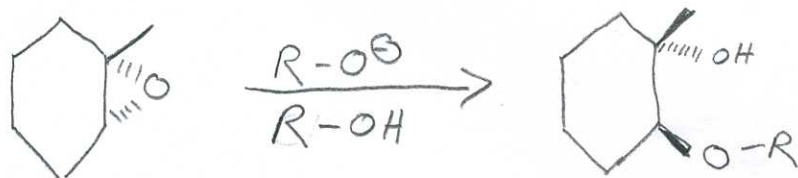
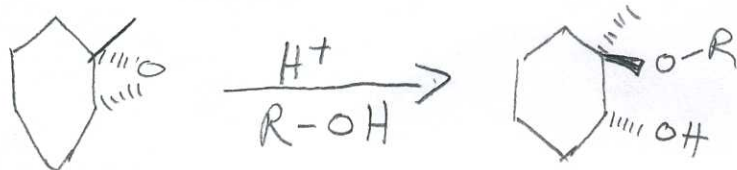
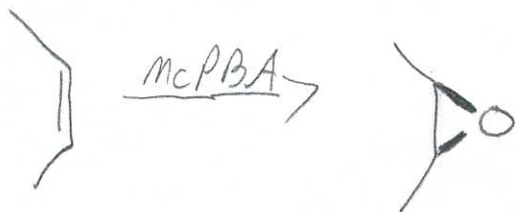
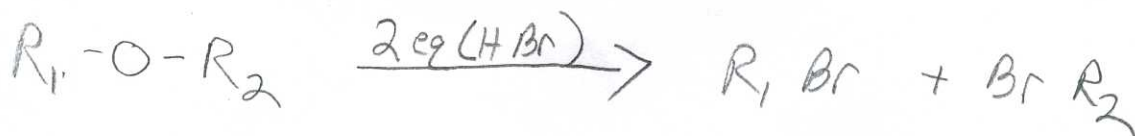
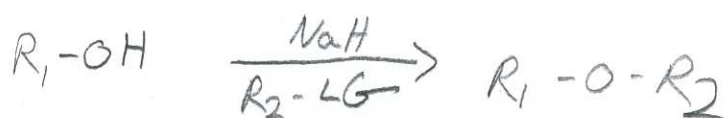
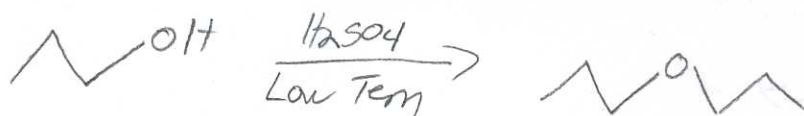
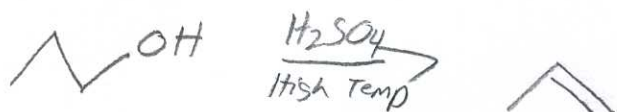
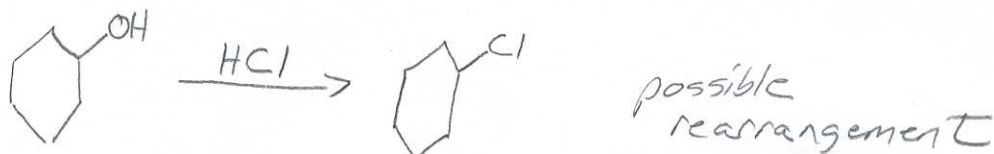
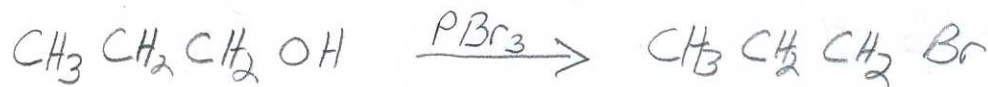
group with lone pairs
no reaction with
Friedel-Crafts

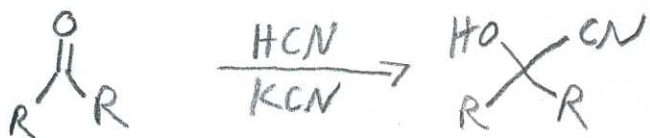
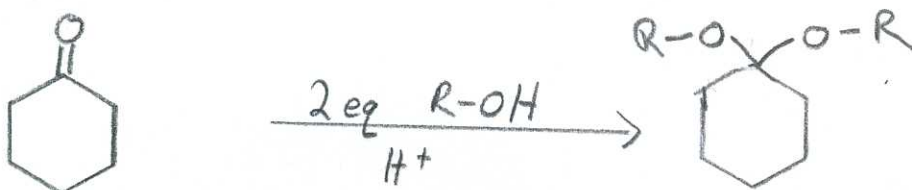
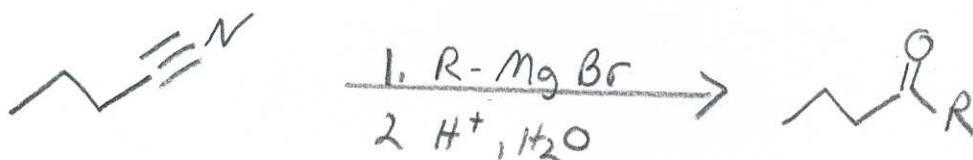
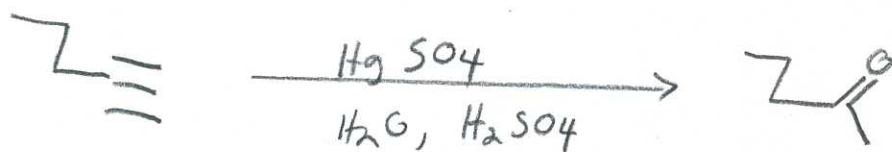
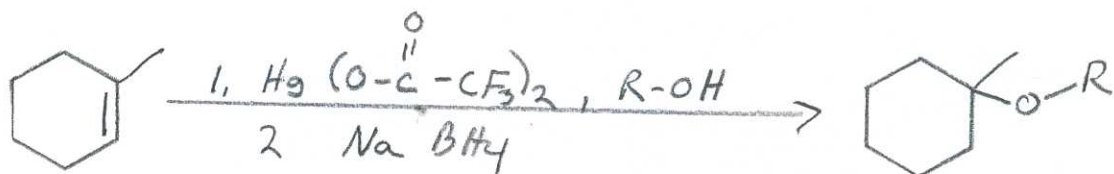
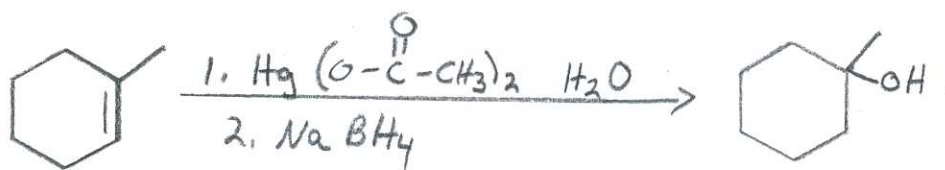


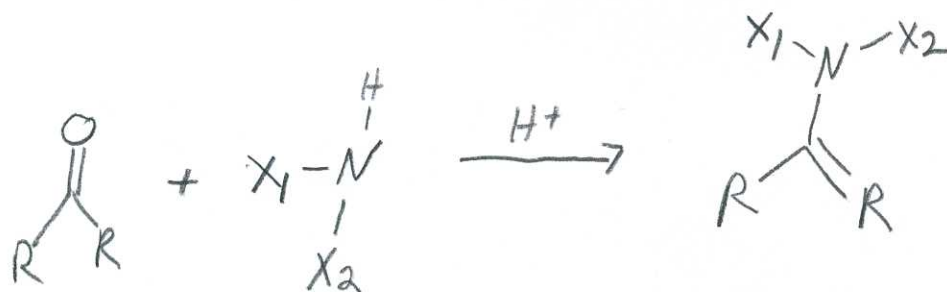
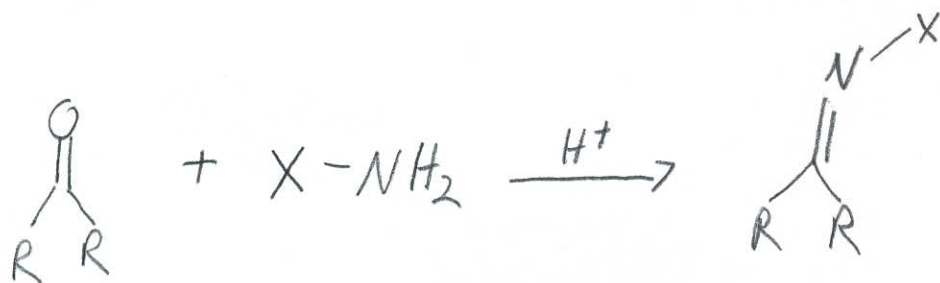
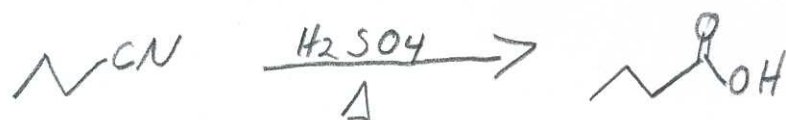
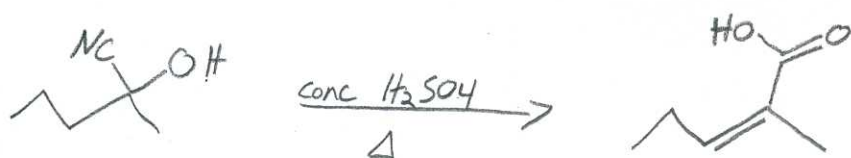
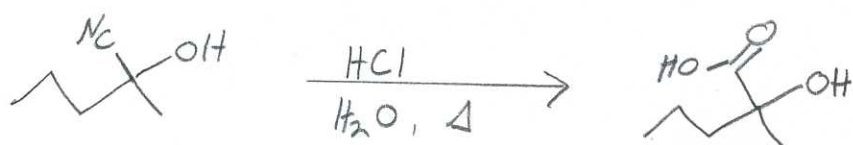
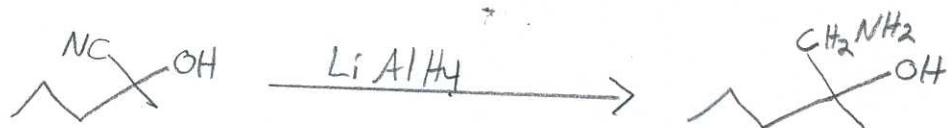
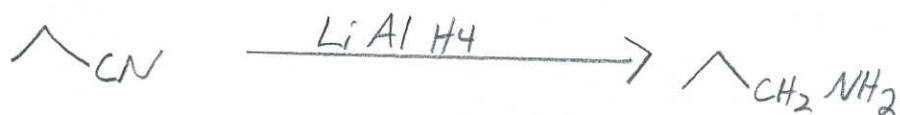
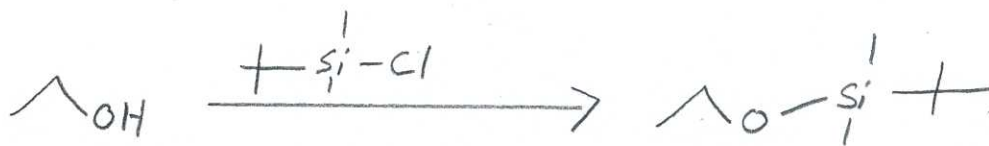


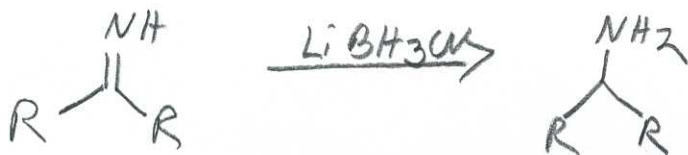
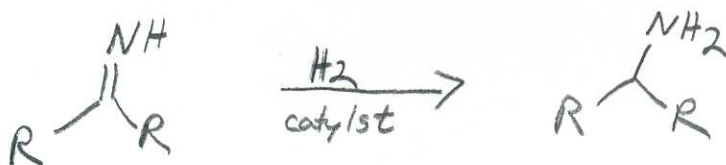
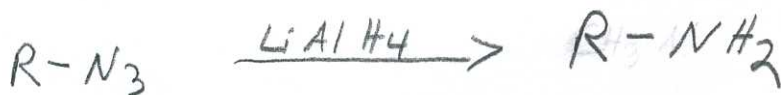
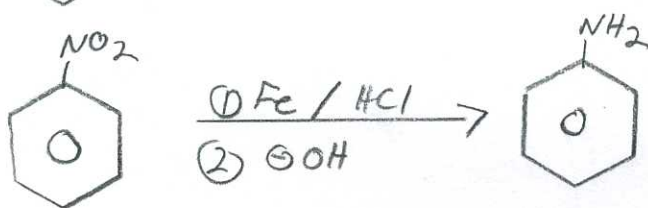
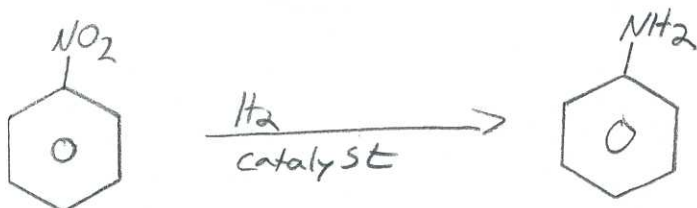
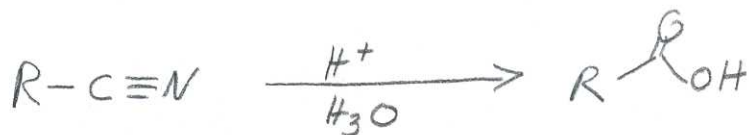
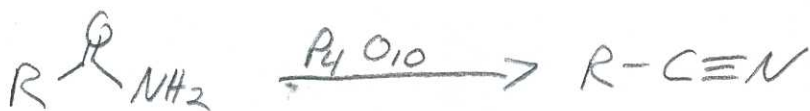
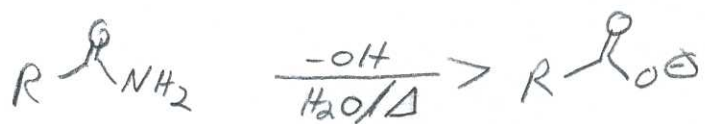
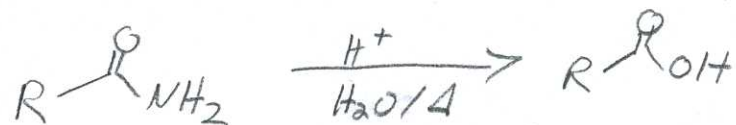
Acid-Base chemistry due to acidic proton

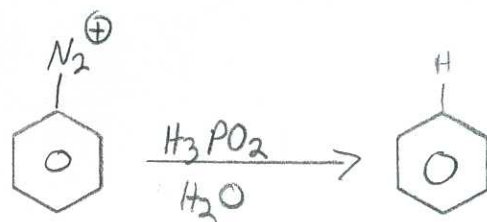
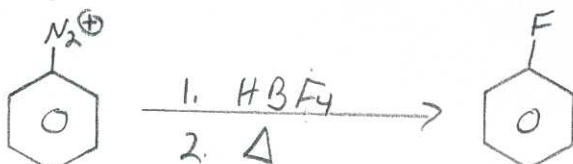
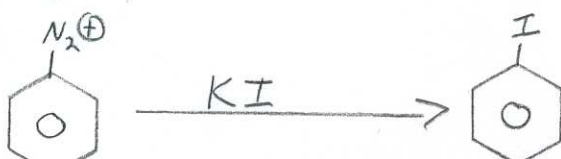
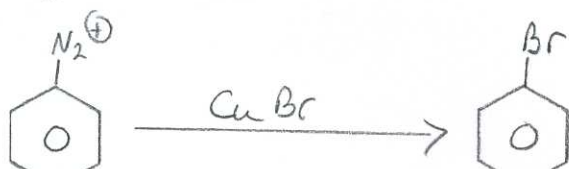
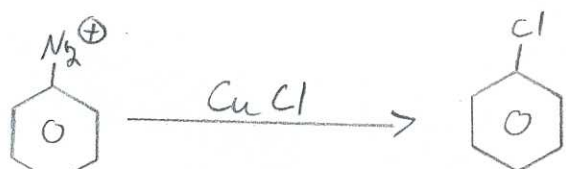
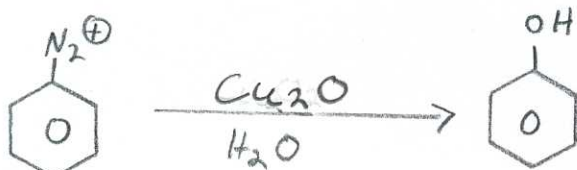
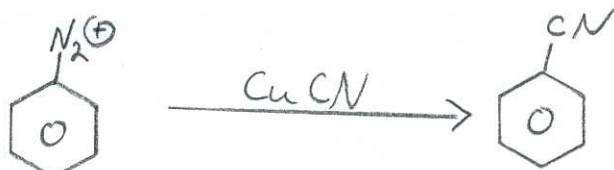
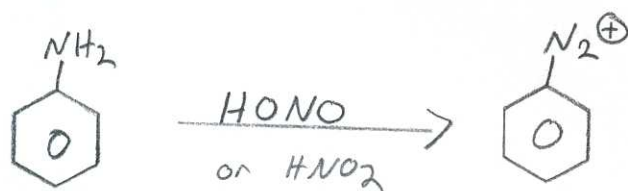
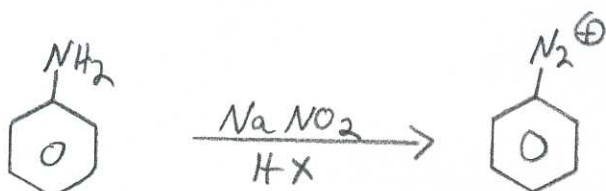
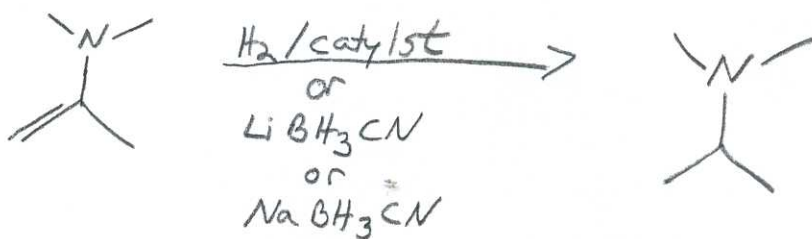
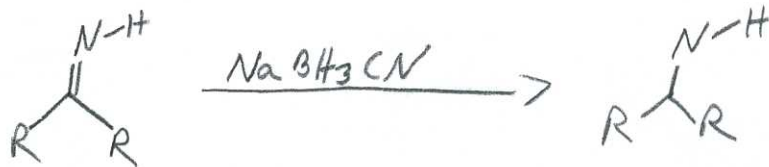


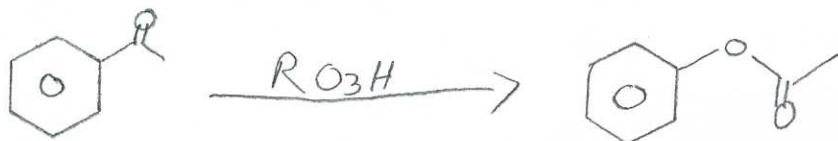
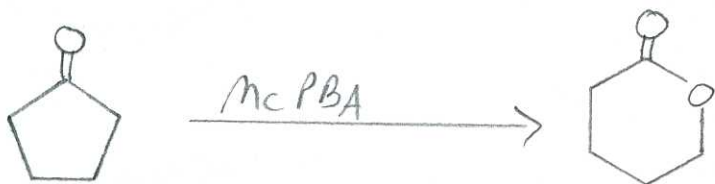
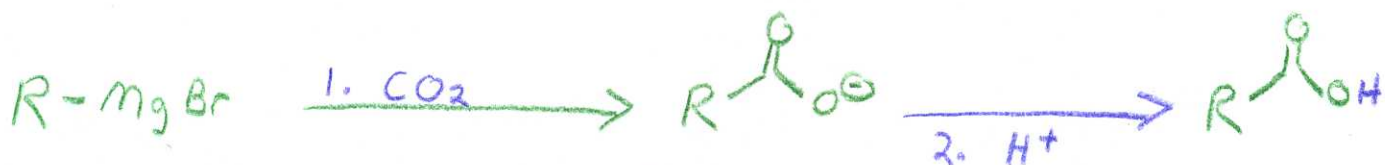
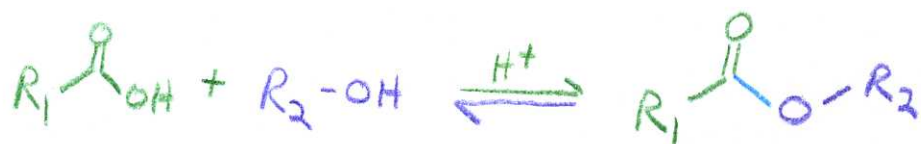
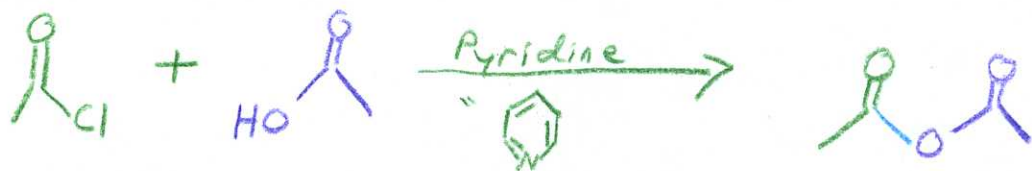


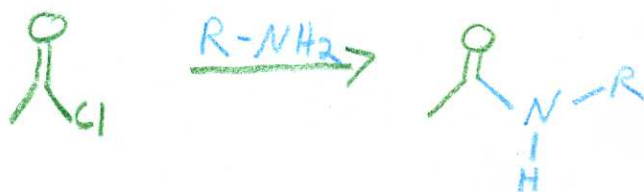
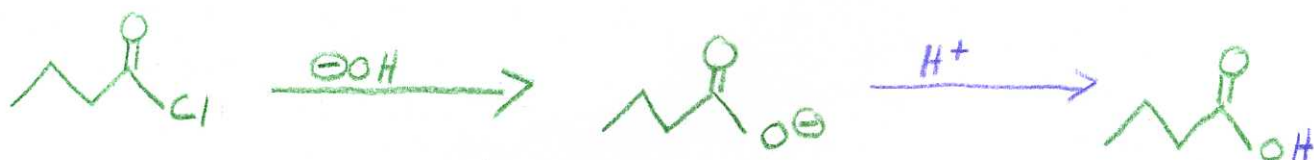


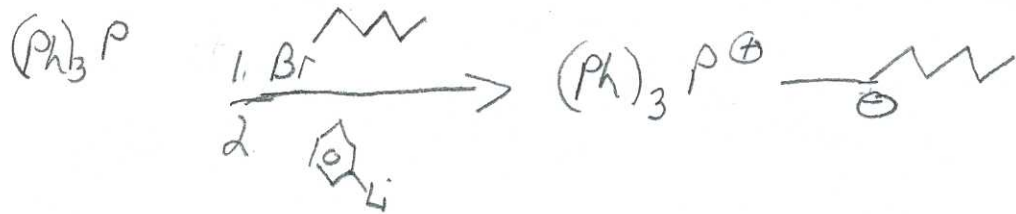






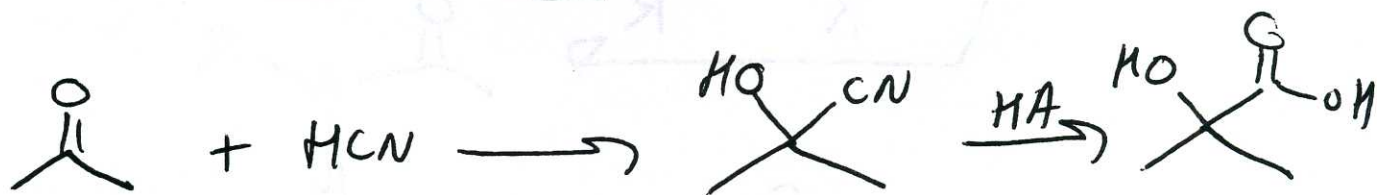
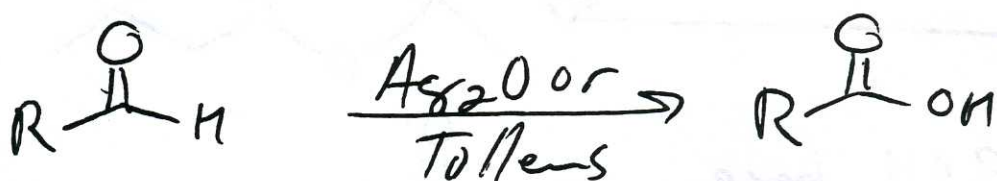
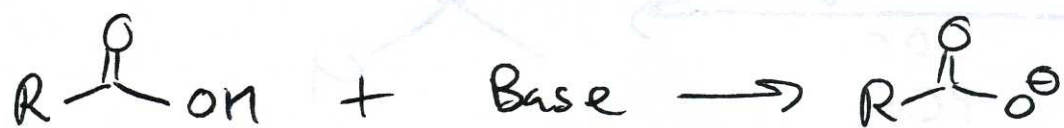


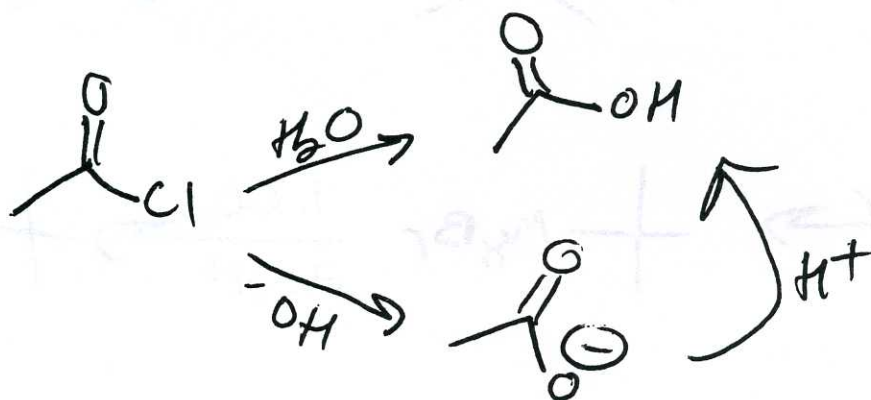
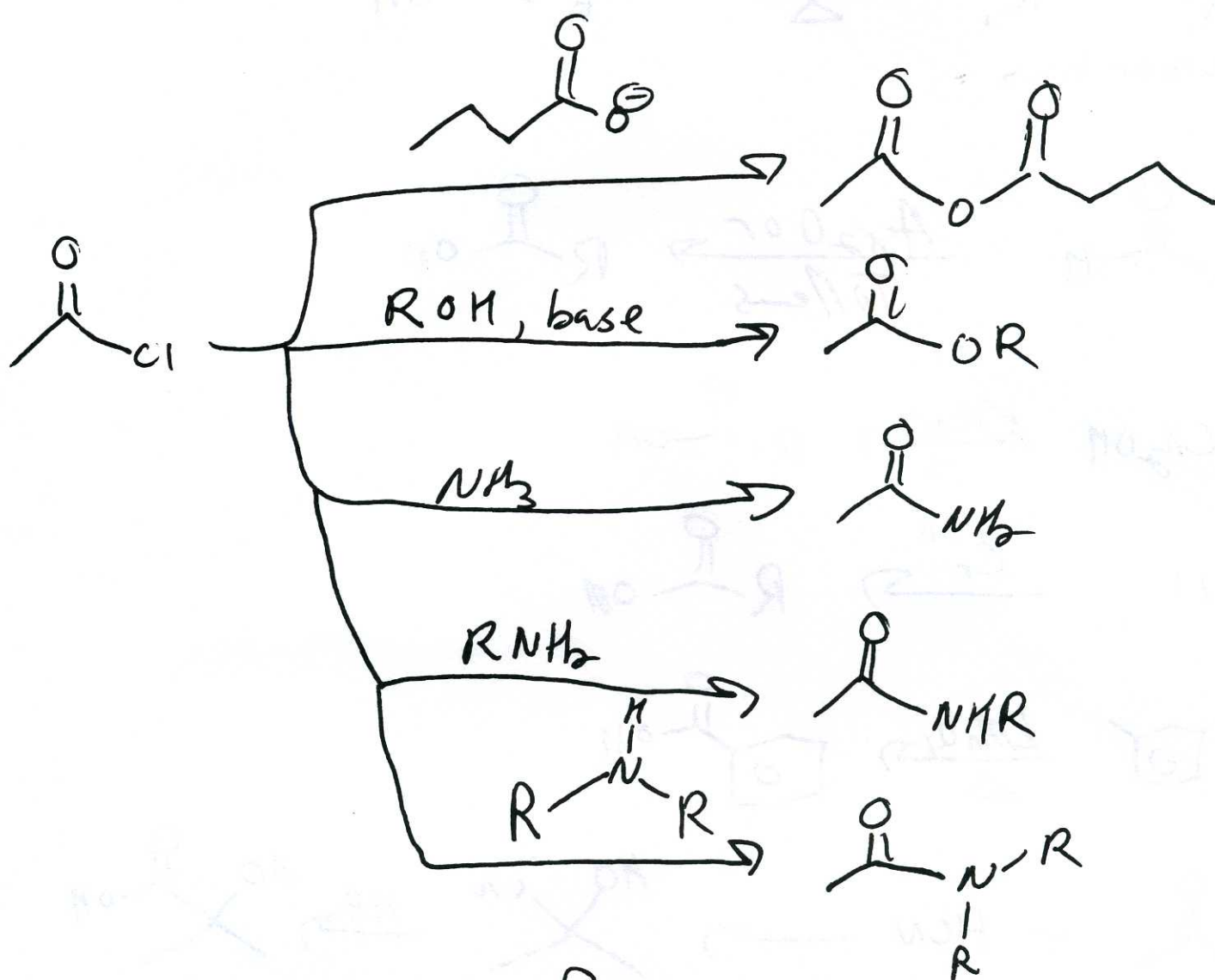
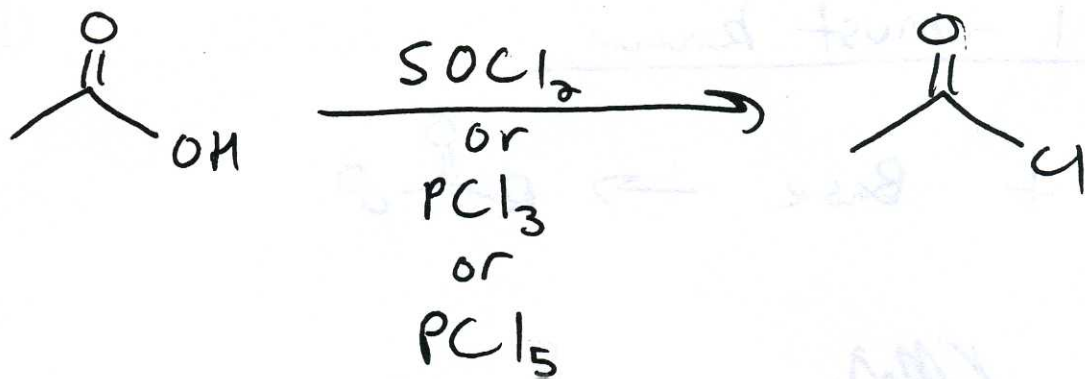




Rxns 20/21 - must know

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DAYTONA STATE COLLEGE

Questions



Class notes taken by

D. Leonard (Learning Specialists)

The Academic Support Center @ Daytona State College

<http://www.daytonastate.edu/asc/ascsciencehandouts.html>