

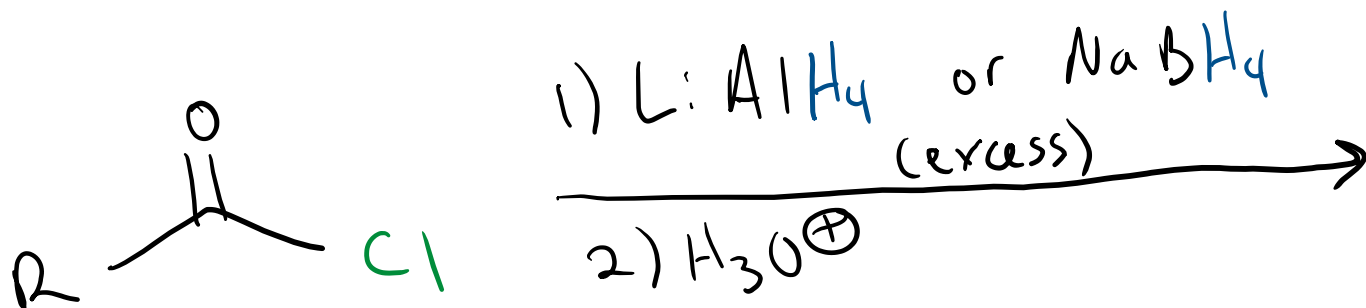
Acid Chlorides & Anhydrides

Esters

2/27/2023

Reactions of Acid Chlorides

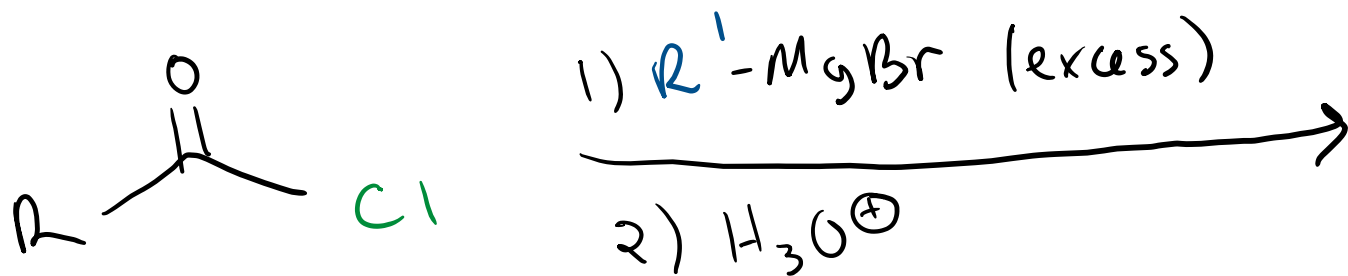
With Reducing Agents:



mechanism:

Reactions of Acid Chlorides

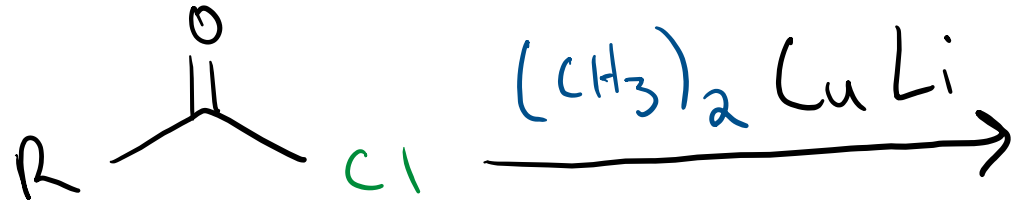
With Grignard Reagents



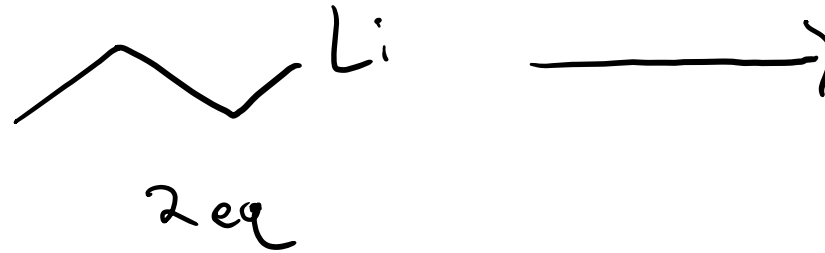
mechanism:

Reactions of Acid Chlorides

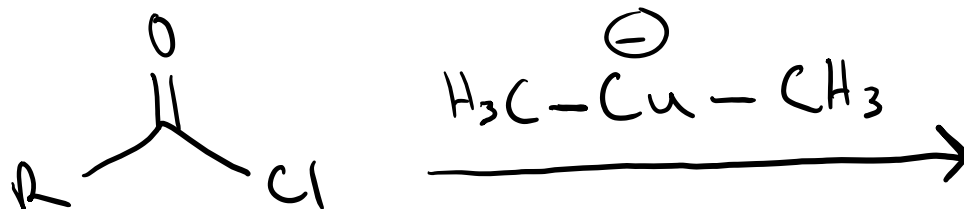
With Organocuprates ("Gilman Reagents"):



making the
organo cuprate

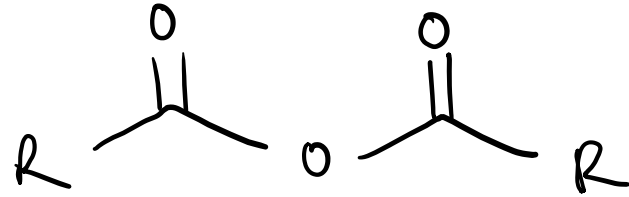


acyl transfer
mechanism:

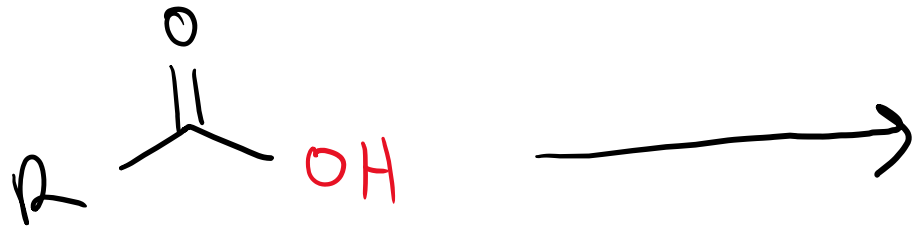


Anhydrides

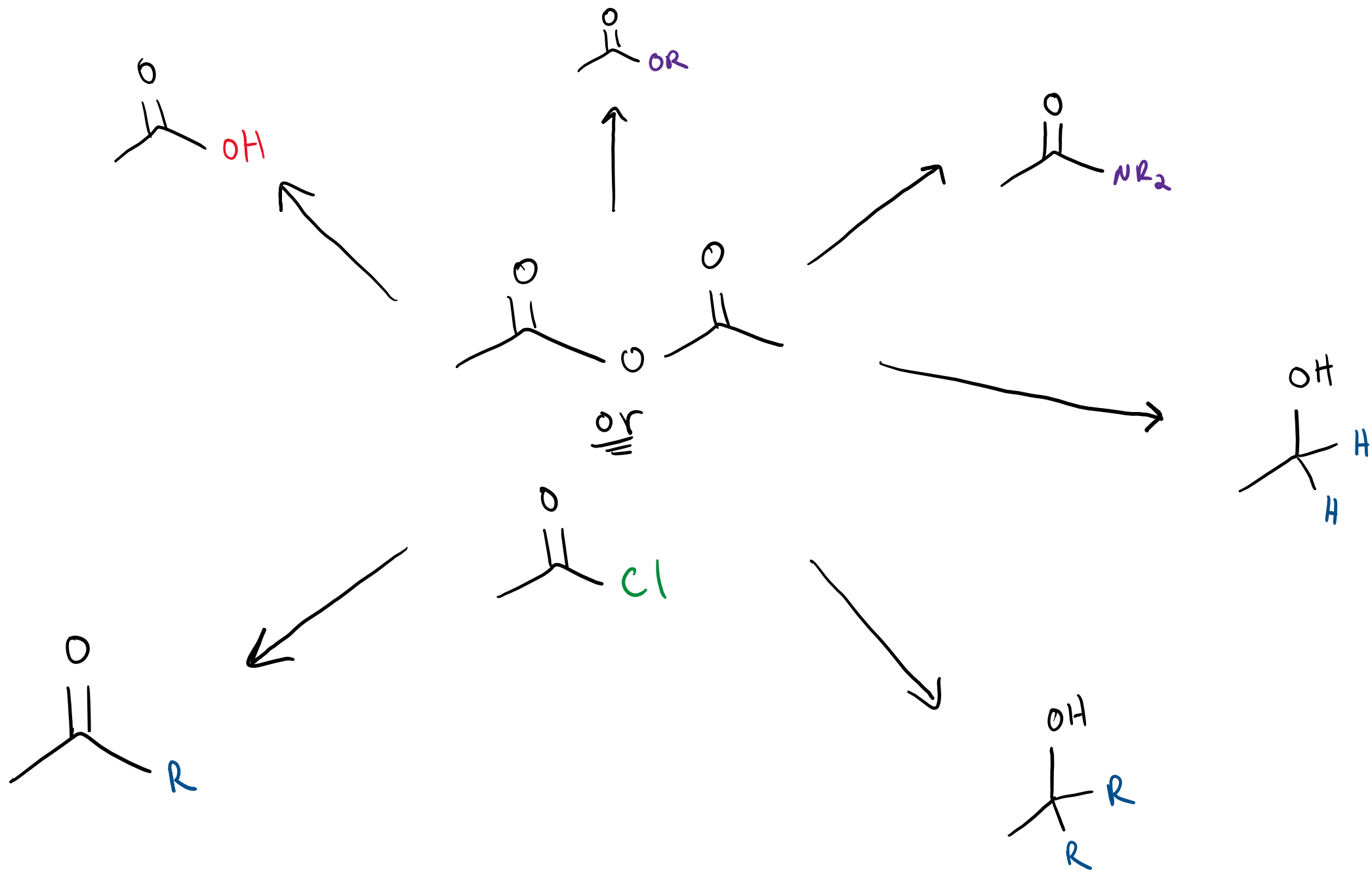
(20.9)

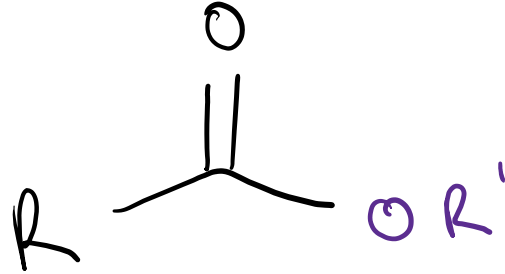


Synthesis of Anhydrides:

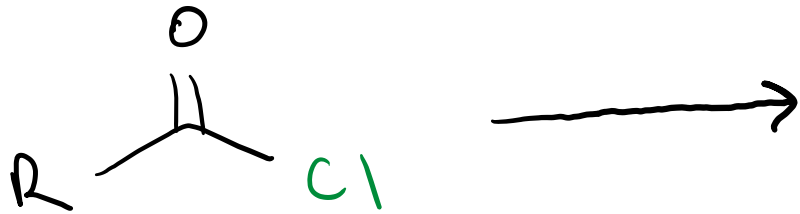


Reactions of Anhydrides & Acid Chlorides: Recap

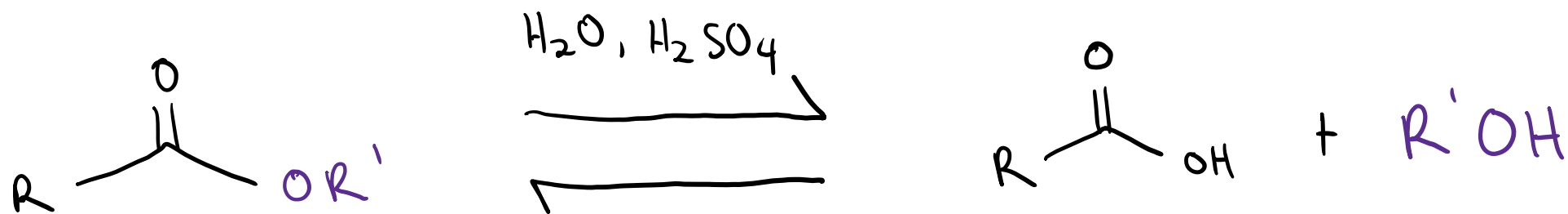




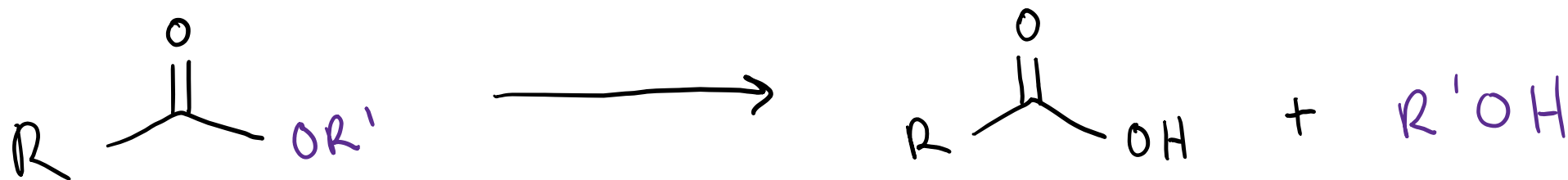
Synthesis of Esters:



Hydrolysis of Esters: Acidic Conditions



Hydrolysis of Esters: Basic Conditions



mechanism: