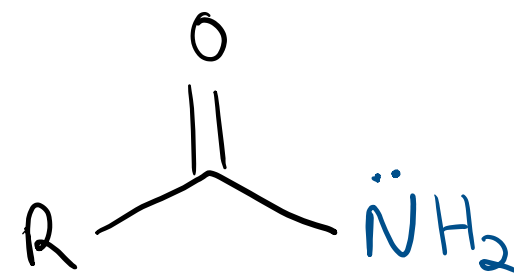
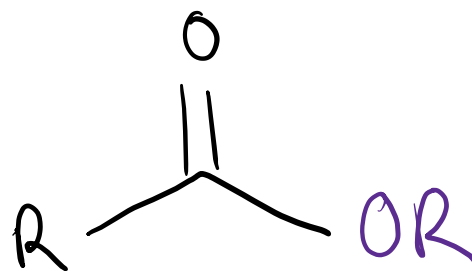
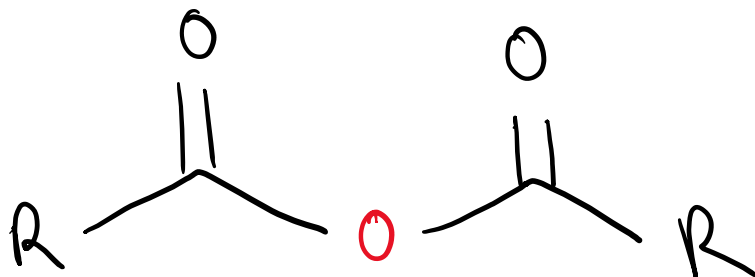
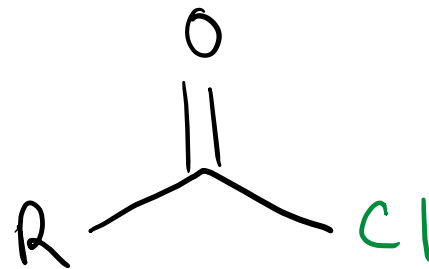
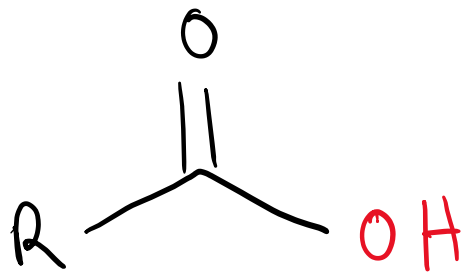
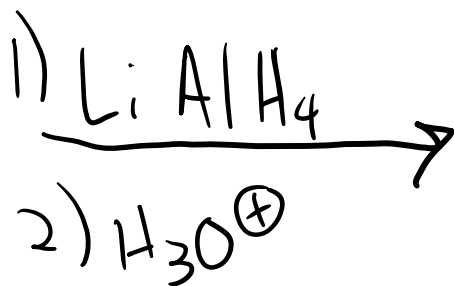
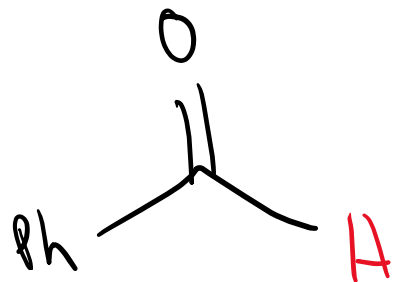
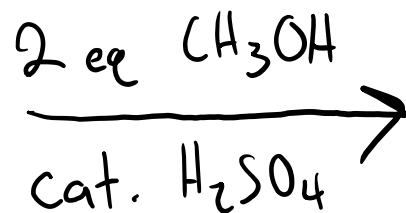
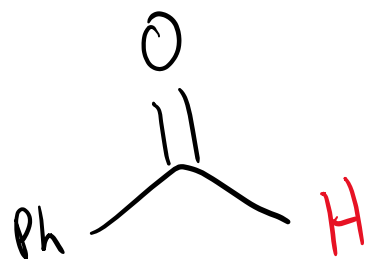
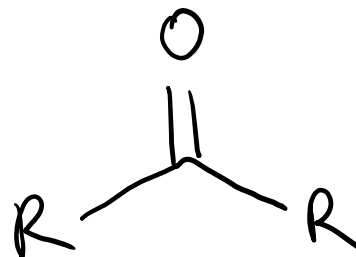
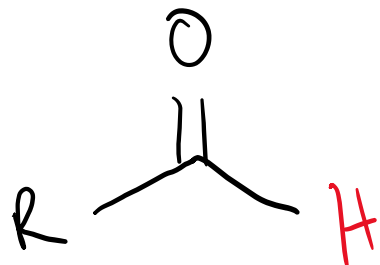


Carboxylic Acids & Their Derivatives

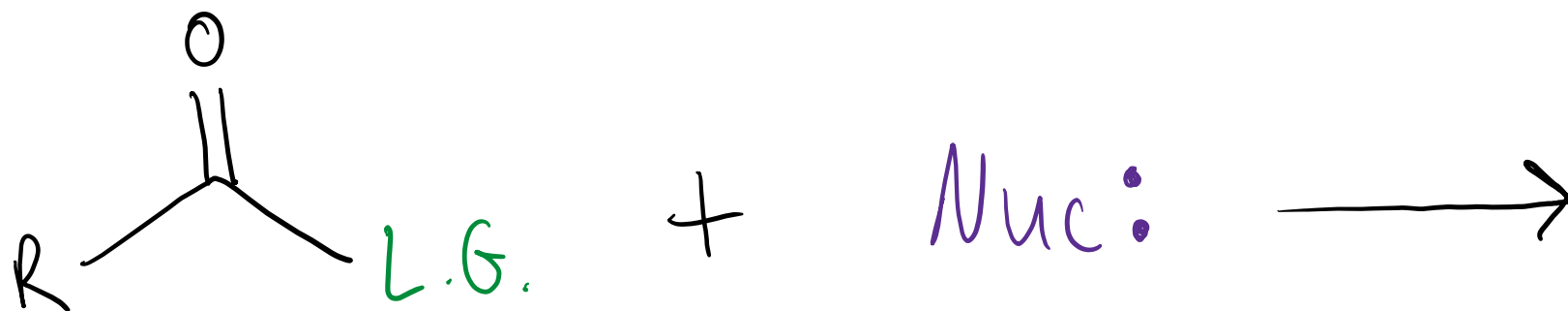
2/20/2023



Comparison with Aldehyde and Ketone Reactivity



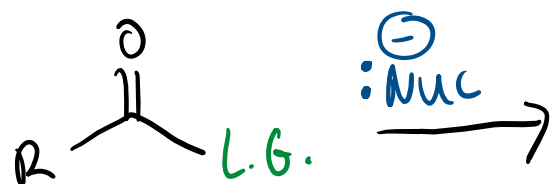
Acyl Transfer Reaction (general)



Acyl Transfer Mechanisms (General)

(20.7)

With an **anionic nucleophile**:



With a **neutral nucleophile** + a **weak base**



Acyl Transfer Mechanisms (General)

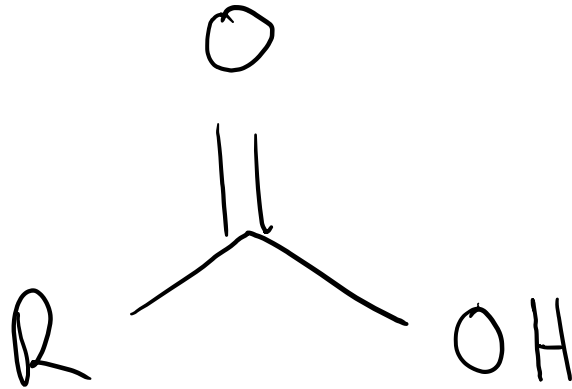
(20.7)

With a neutral nucleophile + **an acid**:



Ranking Electrophilicity of Carbonyl Functional Groups

(20.7)



Synthesis of Carboxylic Acids

