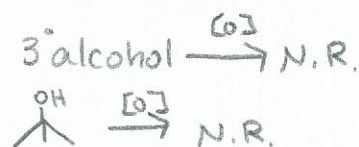
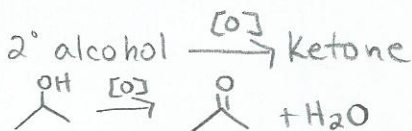
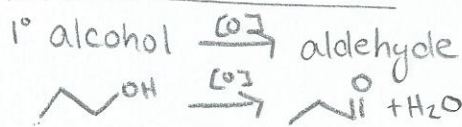
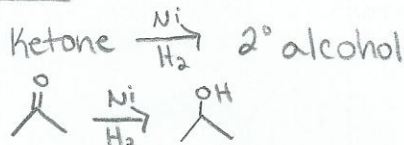
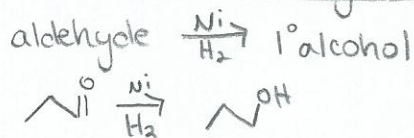


Chapter 14

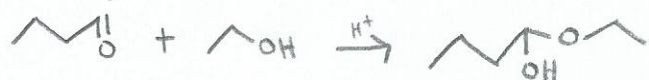
Oxidation of alcohols



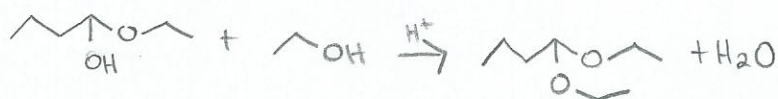
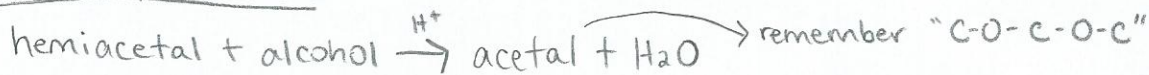
Reduction of Aldehydes/Ketones



Hemiacetal formation

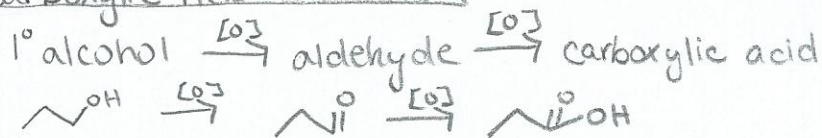


Acetal formation



Chapter 16

Carboxylic Acid formation

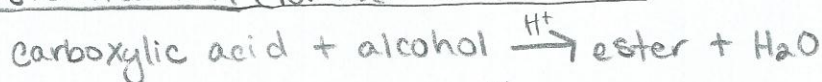


Carboxylic Acid Salts



← "sodium propanoate"

Esterification (formation of esters)



← "propyl pentanoate"

Ester hydrolysis

1) Acid hydrolysis

ester + H₂O $\xrightarrow{H^+}$ carboxylic acid + alcohol



2) Base hydrolysis

ester + base \rightarrow carboxylic acid salt + alcohol

