

Chem 1062 Lab

Note Title

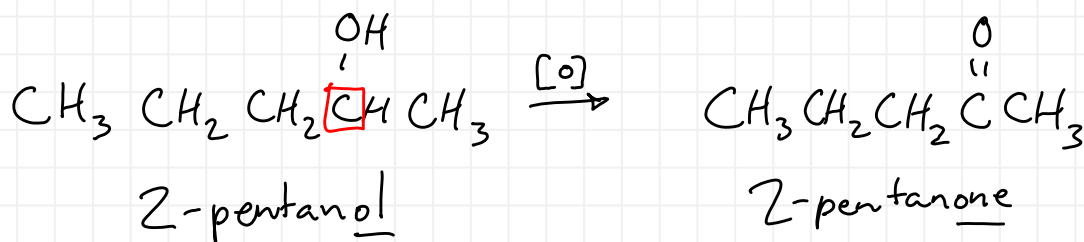
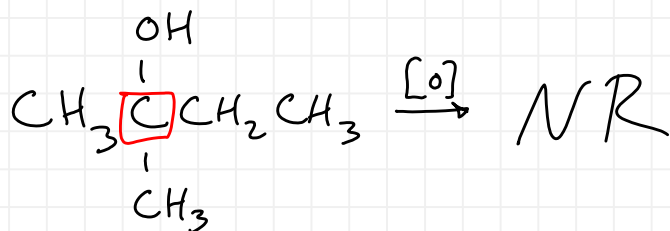
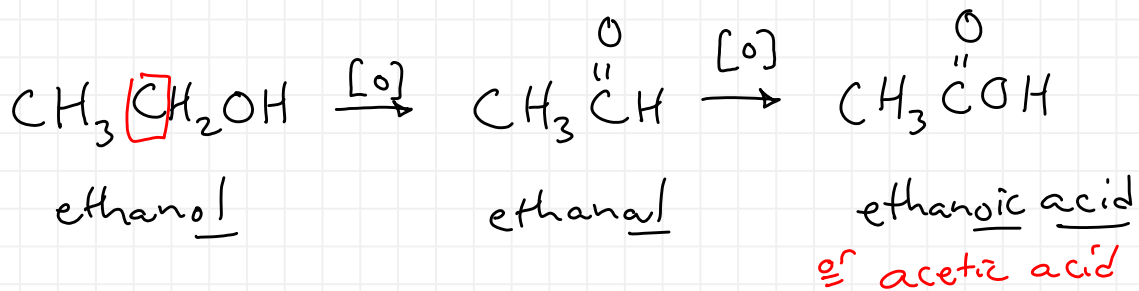
7/8/2008

Reactions of Alcohols

primary - may be oxidized to an aldehyde,
which in turn, may be oxidized to
a carboxylic acid

secondary - may be oxidized to a ketone

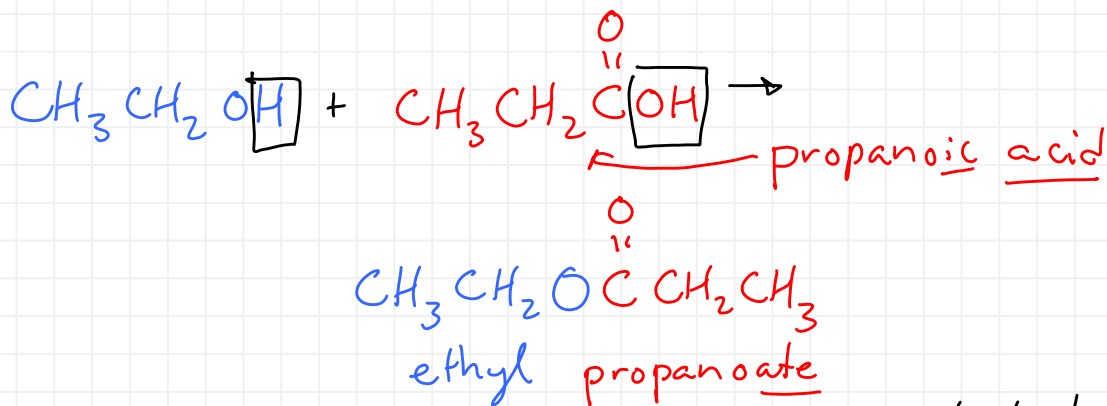
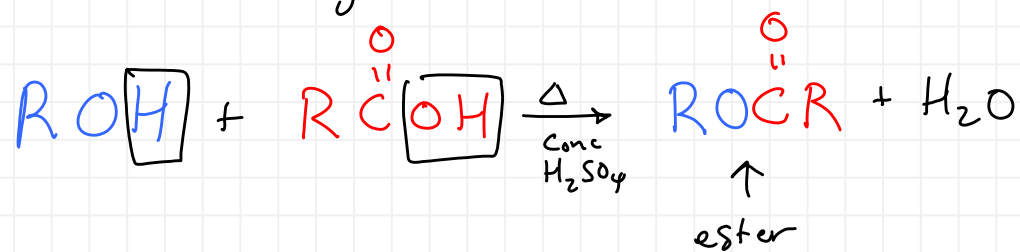
tertiary - may not be oxidized



oxidation \Rightarrow addition of 1 O atom
removal of 2 H atoms

reduction \Rightarrow removal of 1 O atom
addition of 2 H atoms

Esters - formed by the reaction of
a carboxylic acid with an alcohol



naming esters: * portion derived from alcohol is
named as an alkyl group
* portion derived from acid named
by dropping -ic acid from acid
name and replacing with -ate