

Chem 1062

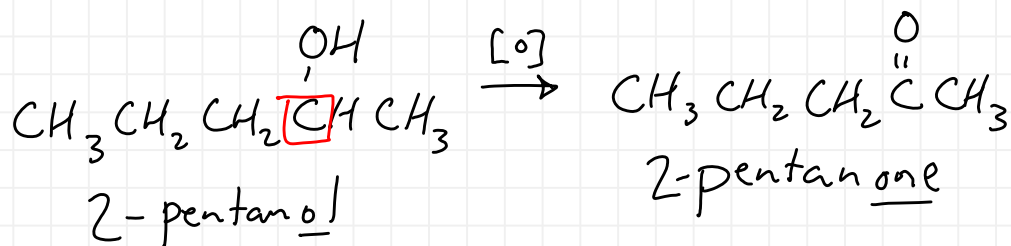
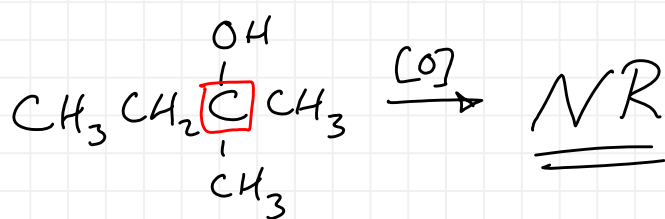
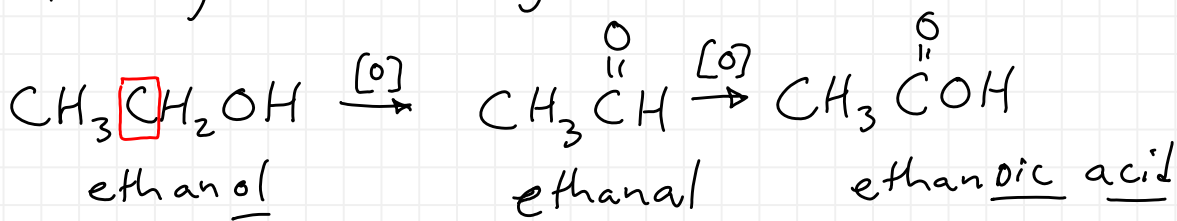
Note Title

7/9/2008

primary alcohol - may be oxidized to an aldehyde,
which may then be oxidized to a
carboxylic acid

secondary alcohol - may be oxidized to a Ketone

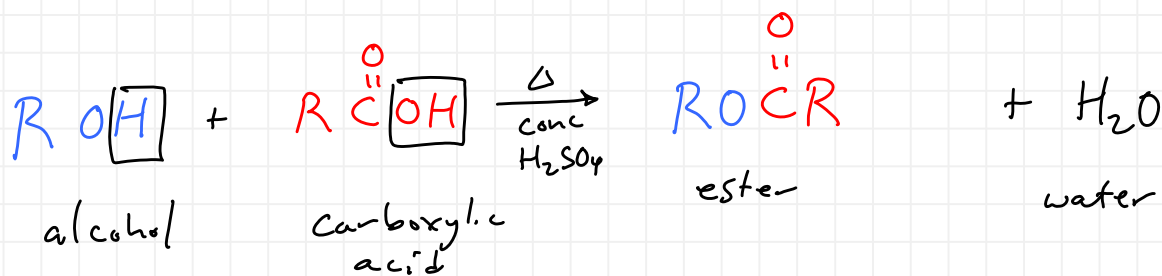
tertiary alcohol - may not be oxidized



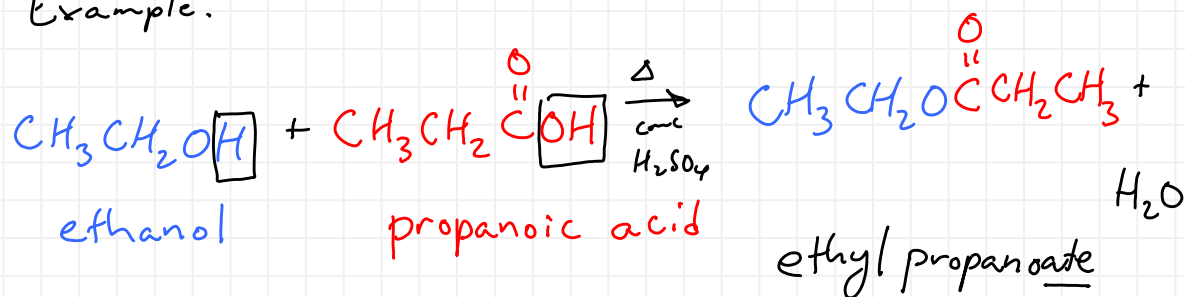
oxidation - adding 1 O atom
- removing 2 H atoms

reduction - removing 1 O atom
- adding 2 H atoms

Esters - $R\overset{\text{O}}{\parallel}COR'$



Example:



to name an ester:

* name portion derived from alcohol as an alkyl group

* name portion derived from acid by dropping -ic acid and adding -ate