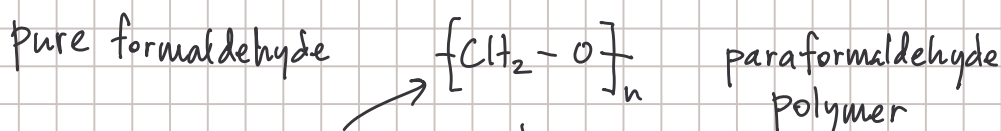
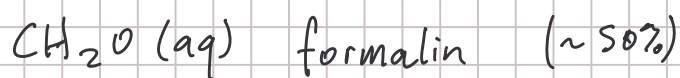
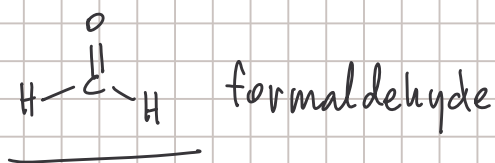


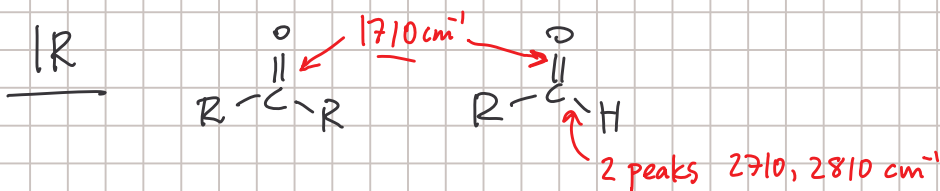
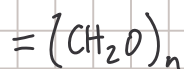
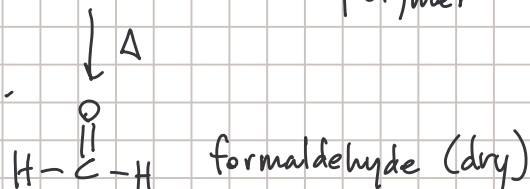
Ch 18

Note Title

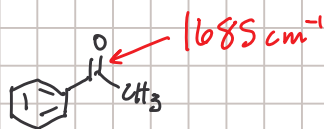
3/15/2006



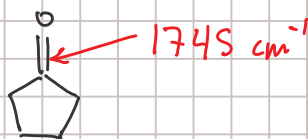
when used as reagent, list this.



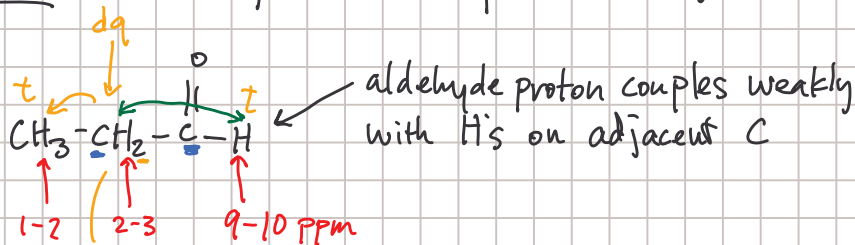
conjugation
lowers
frequency

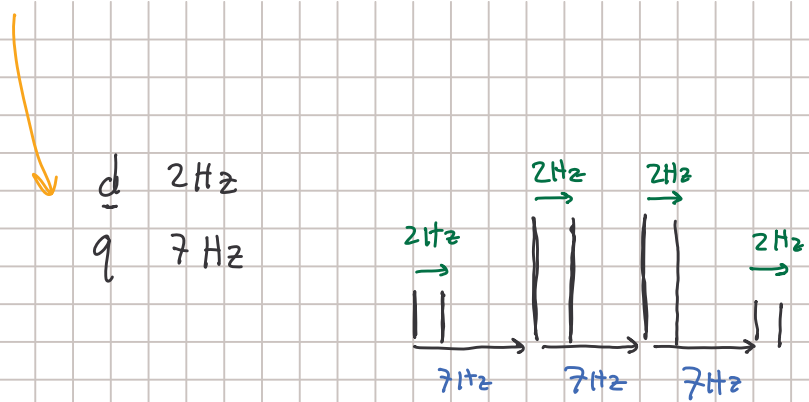


ring strain
raises
frequency

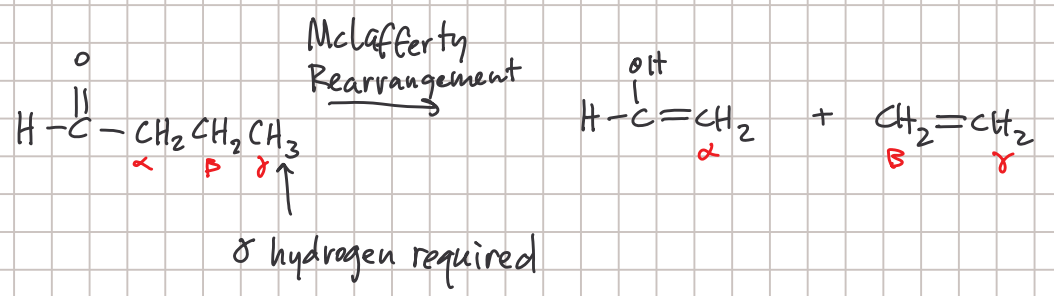
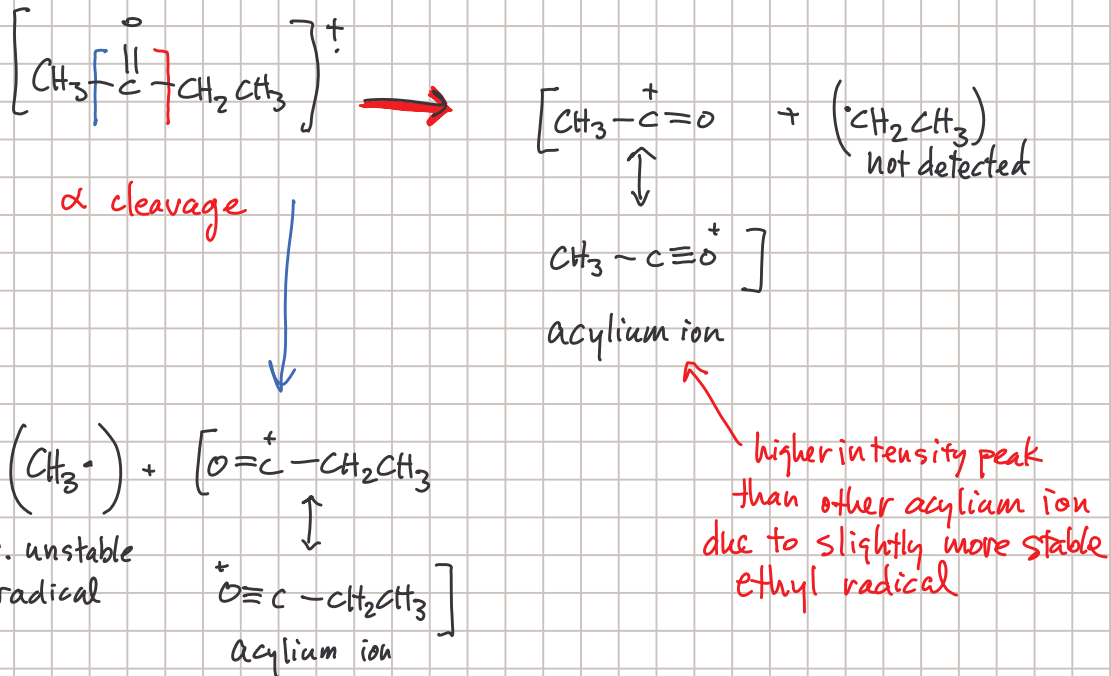
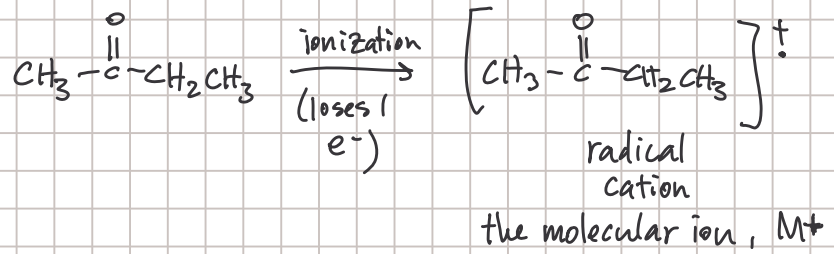


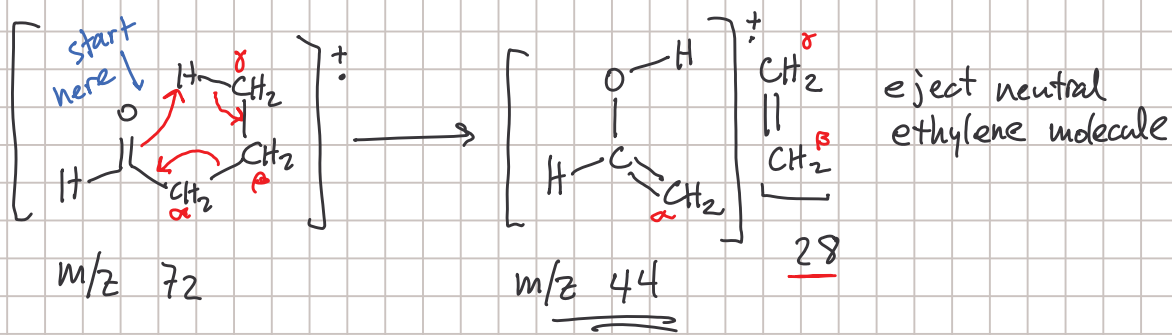
NMR carbonyl deshields protons on adjacent carbons by ~1-2 ppm





Mass Spectra

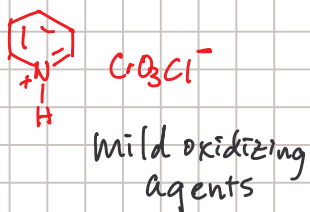
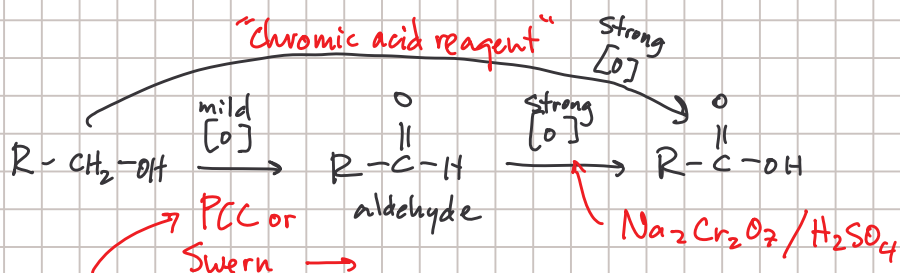
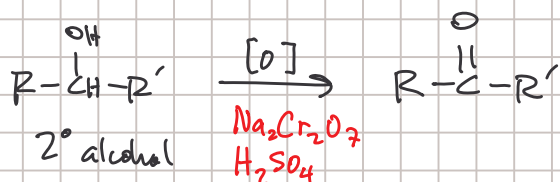





the base peak (most intense on spectrum)

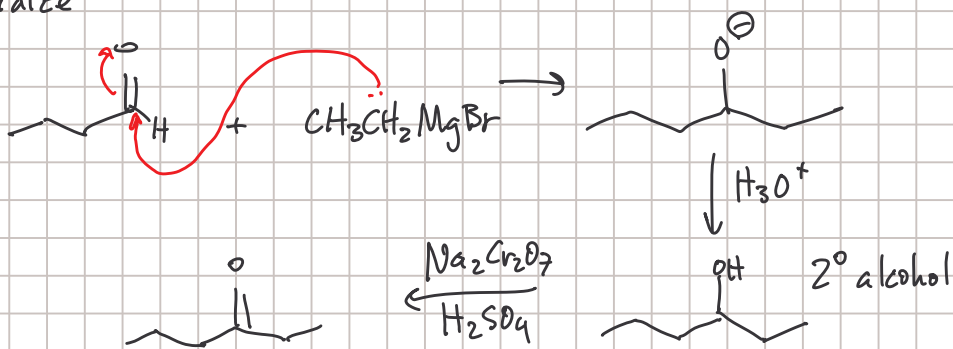
Synthesis review

oxidation of alcohol

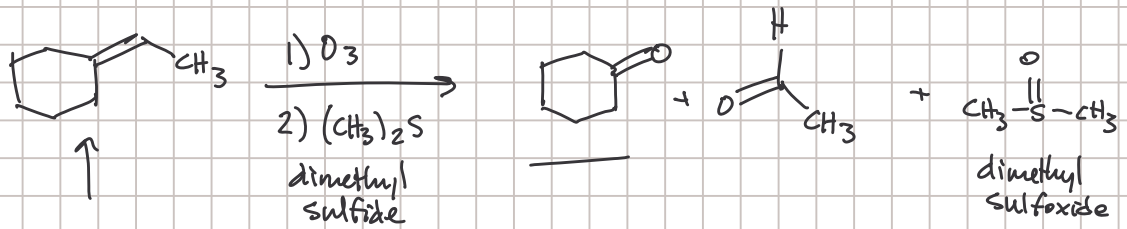


synthesize  from 4-C fragments (or fewer)

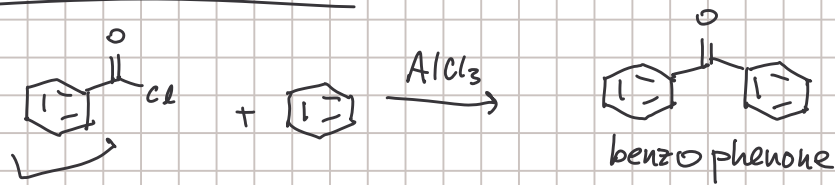
- 1) Grignard w/ aldehyde
- 2) Oxidize



Ozonolysis



Friedel-Crafts Acylation



Gatterman-Koch

