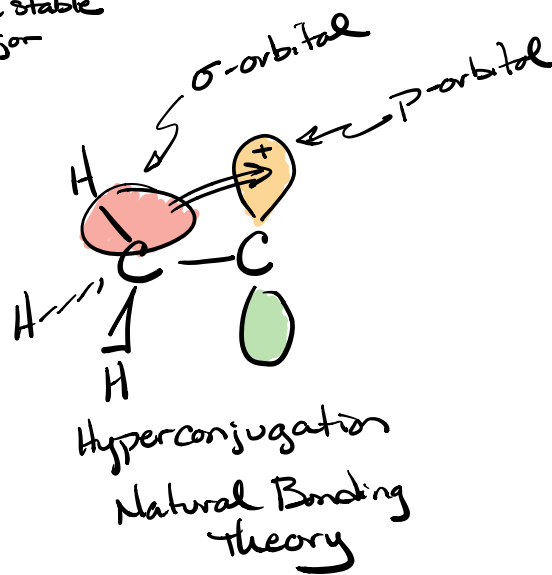
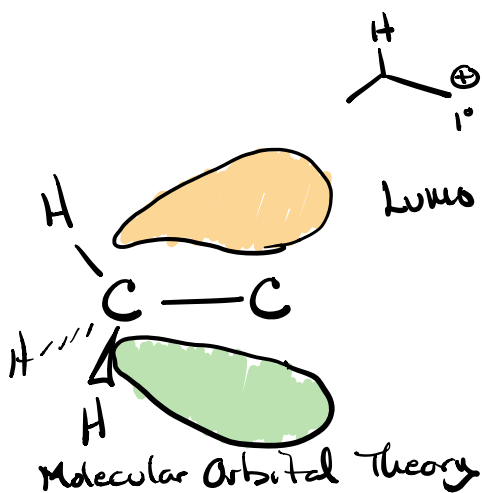
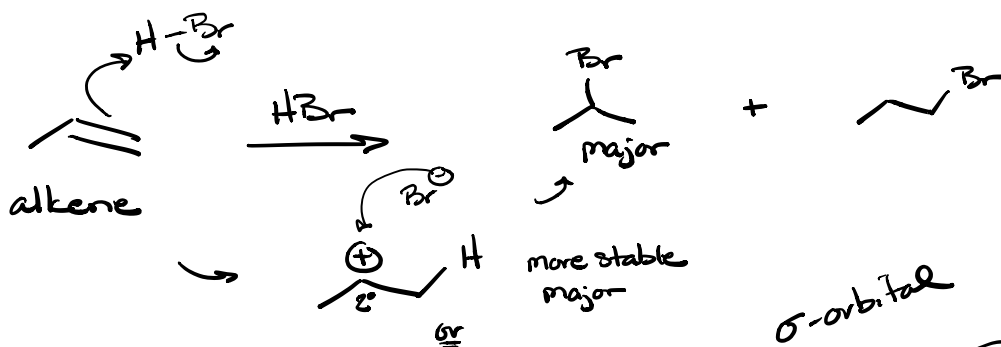
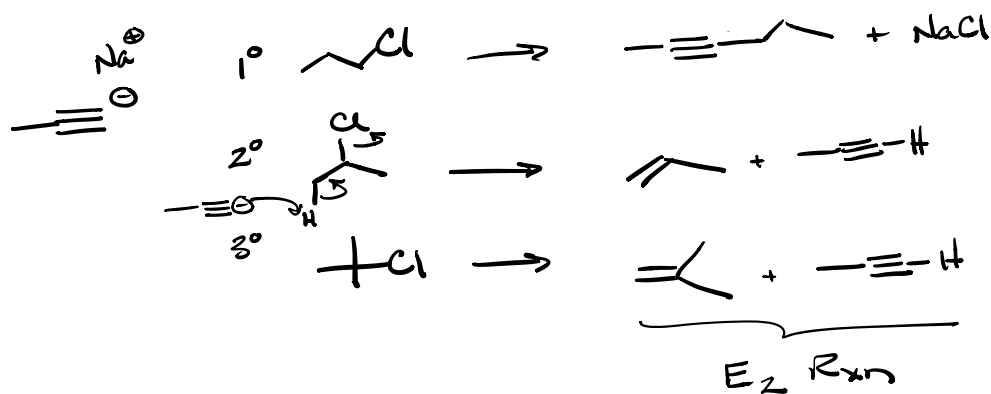
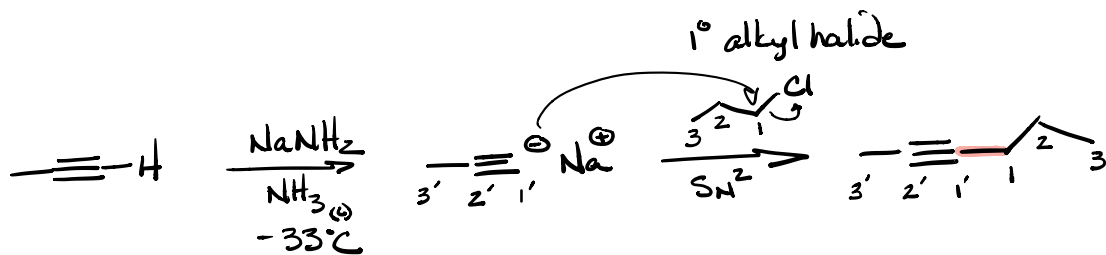
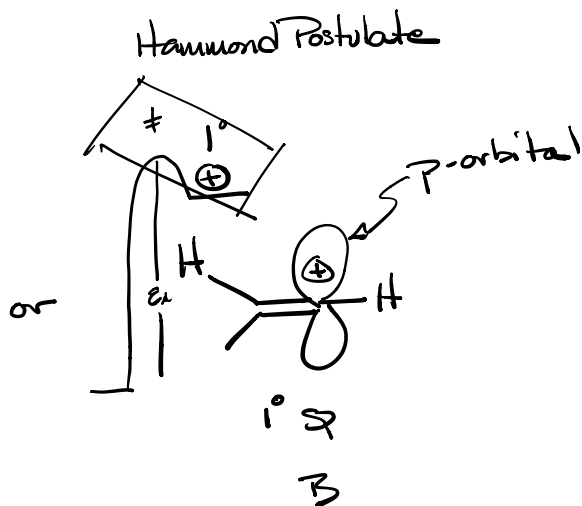
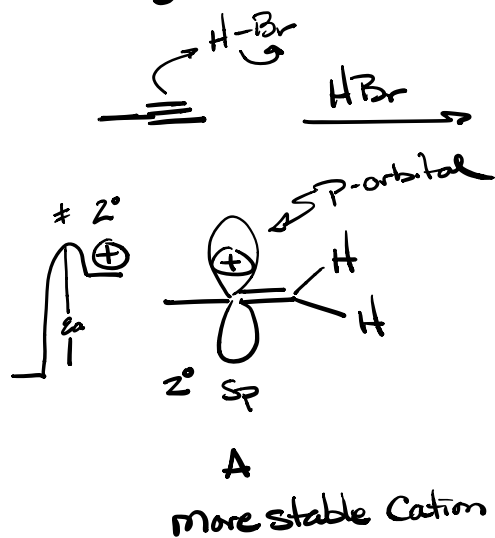


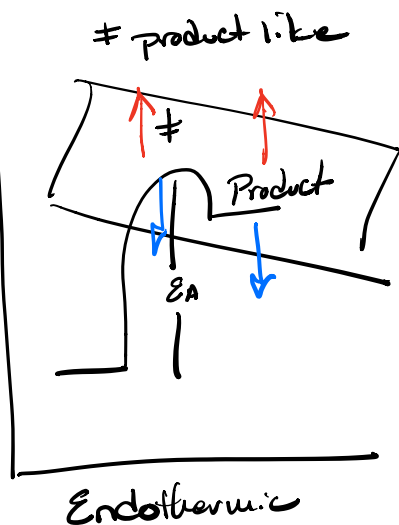
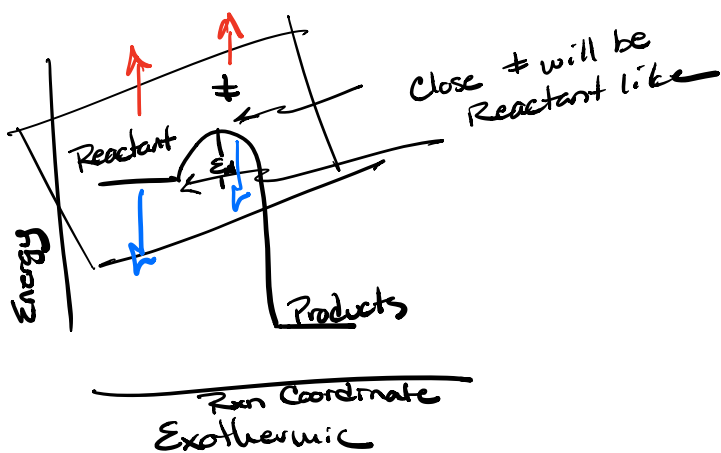
Alkynes



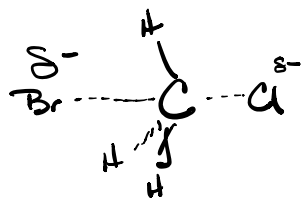
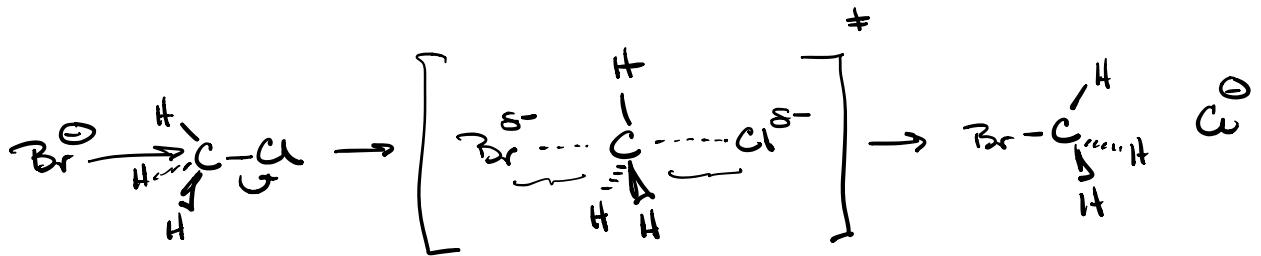
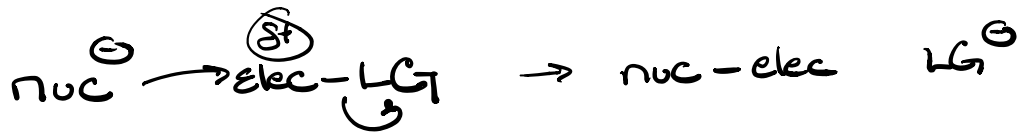
Alkyne



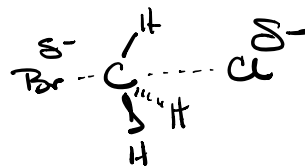
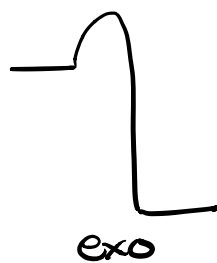
Hammond Postulate



\ddagger Double Dagger symbol for transition state



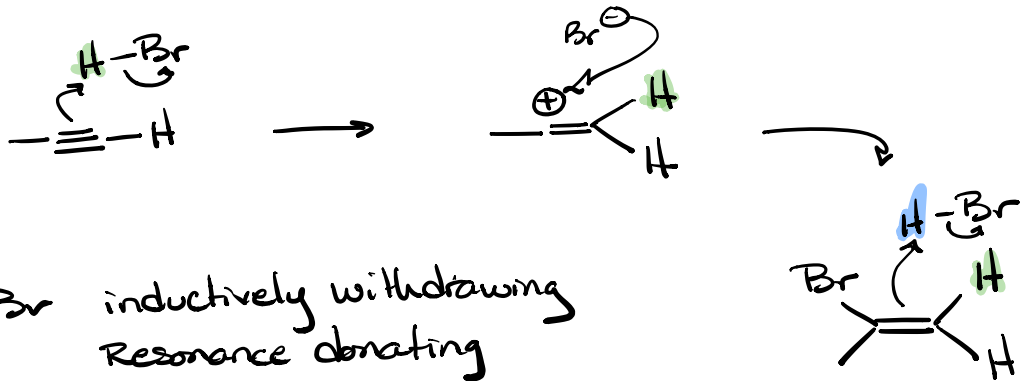
early \neq
Reactant like



late \neq
Product like

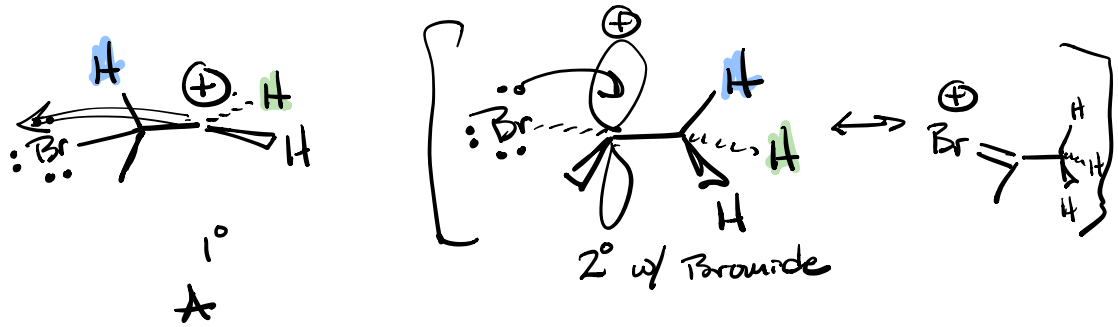


Electrophilic Addition



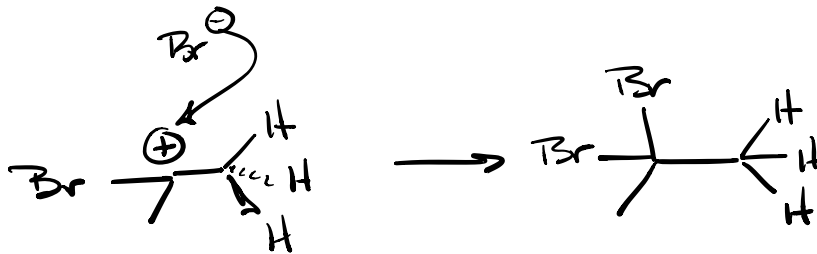
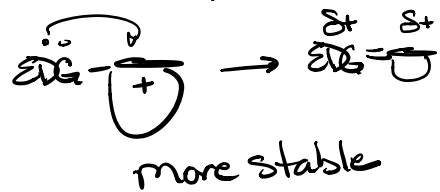
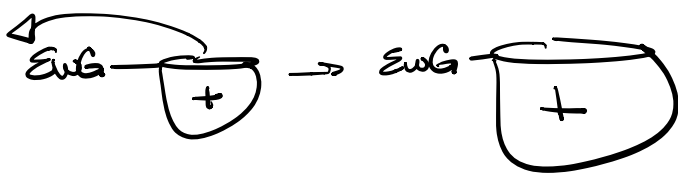
Br inductively withdrawing
Resonance donating

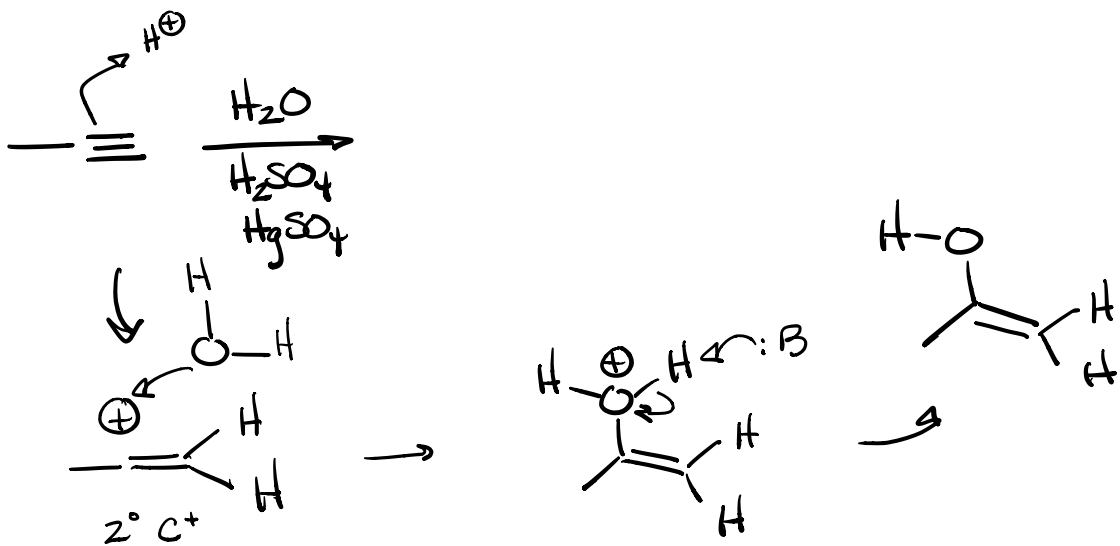
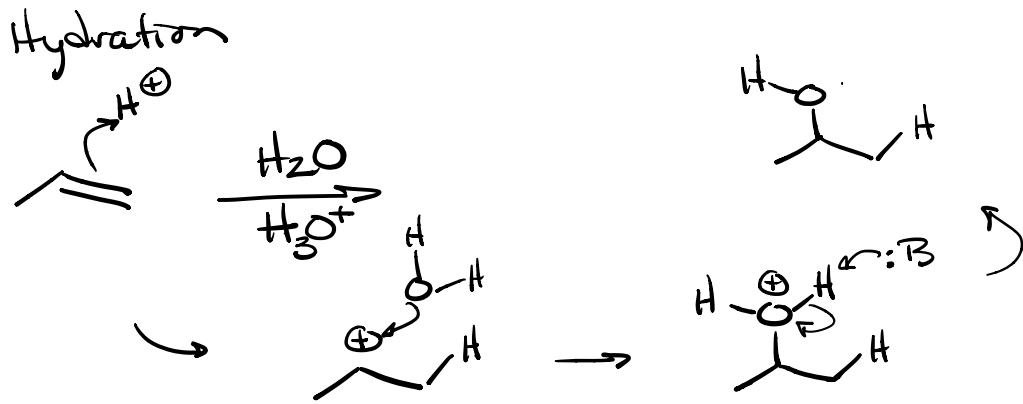
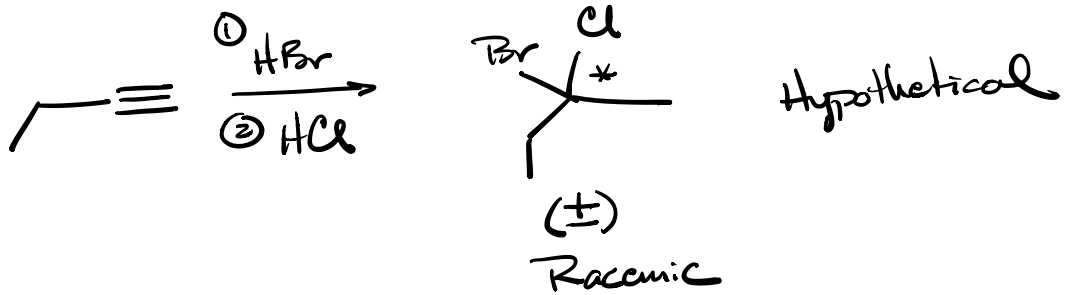
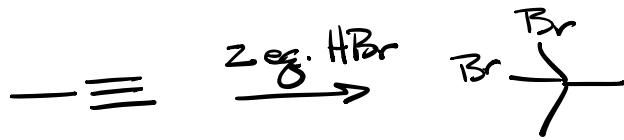
Again 2 Choices



Inductive withdrawing
EWG

Resonance stabilizing
EDG

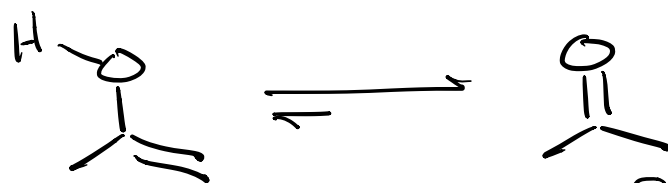
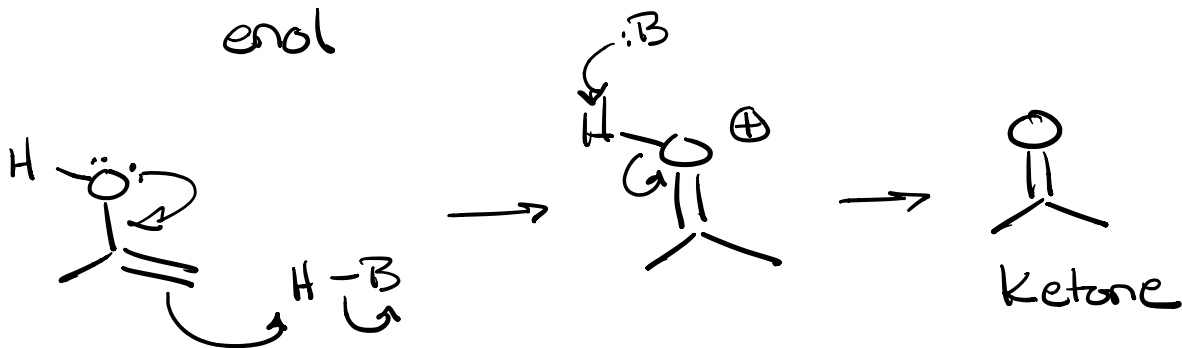






Alkene & Alcohol

enol



equilibrium

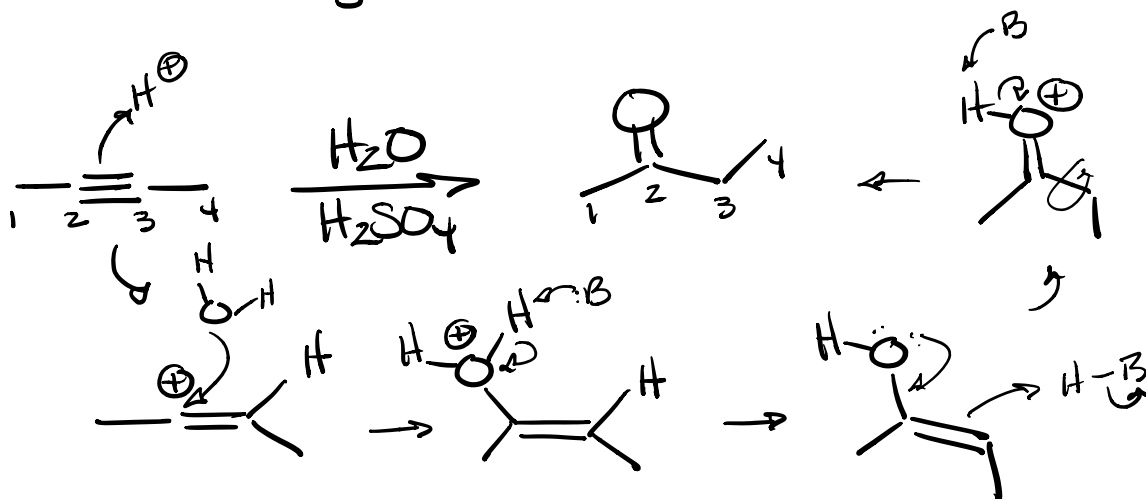
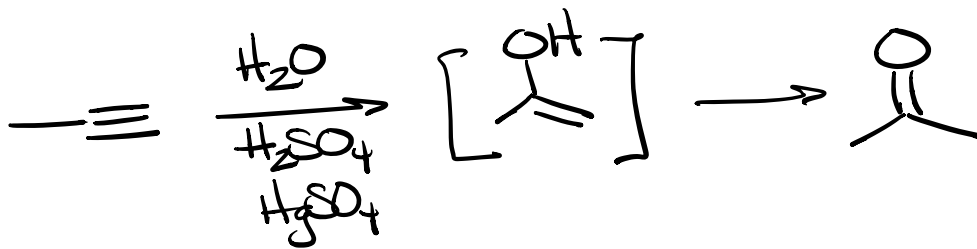
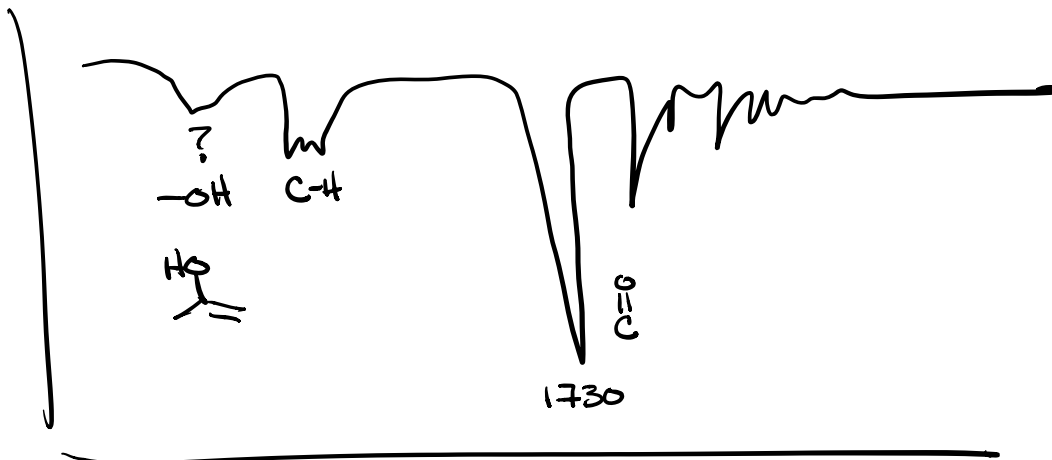
Tautomerism

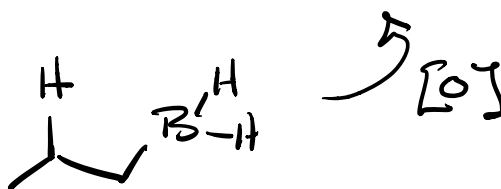
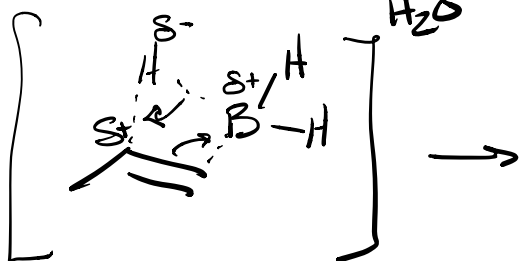
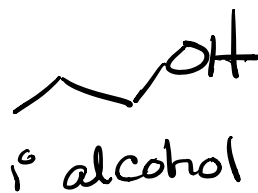
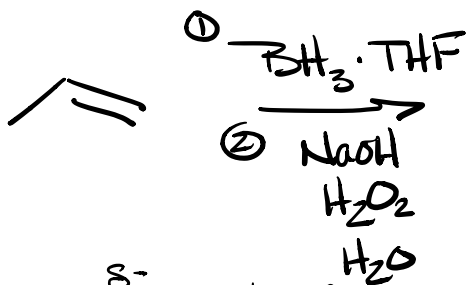
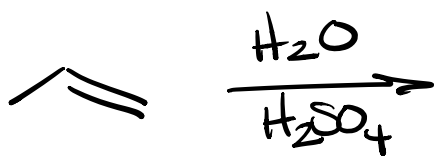
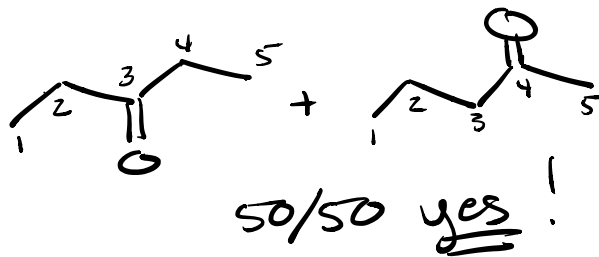
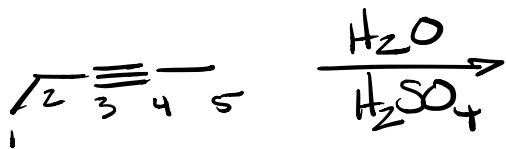
favoured
side
Carbonyl



Auto Ionization

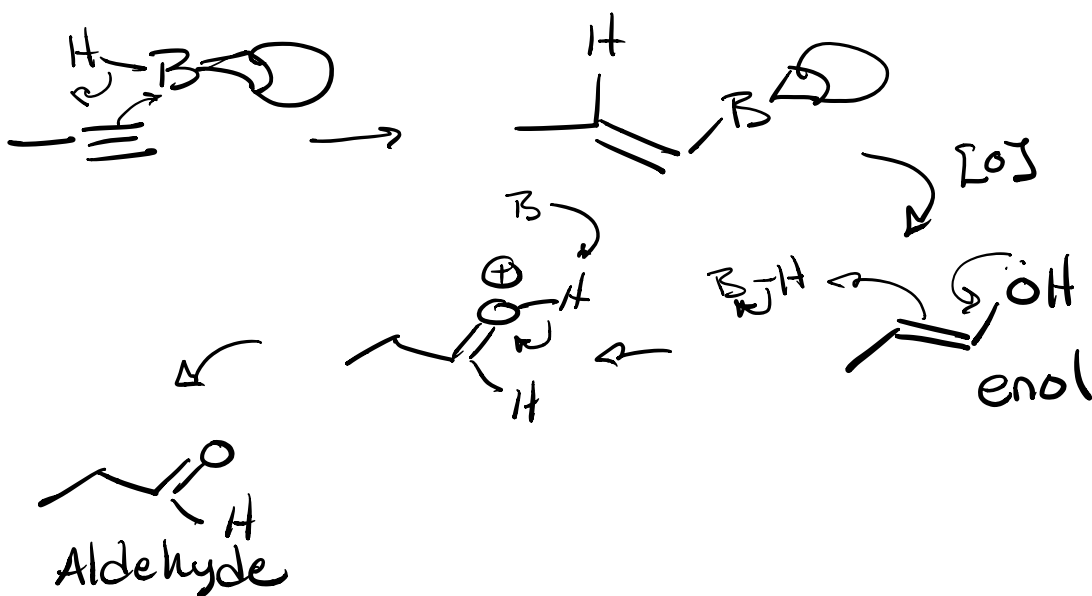
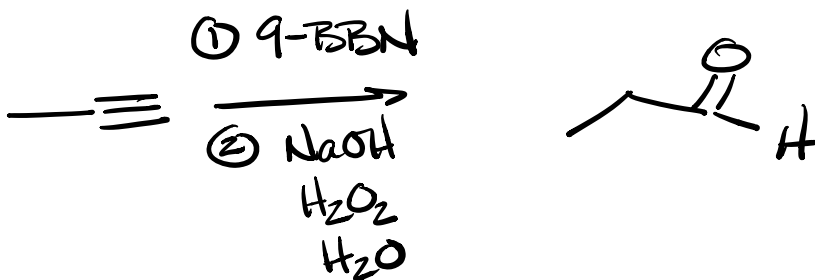
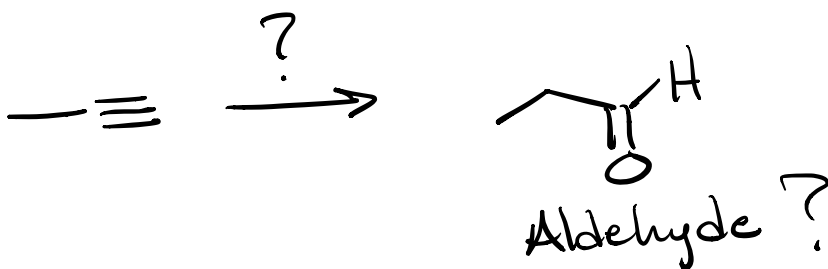
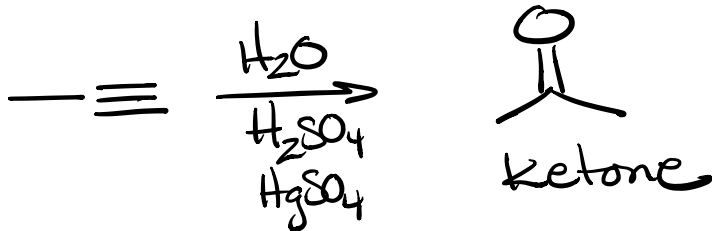
FTIR  acetone





Concerted

 but ... Asymmetric



[O] = oxidation

[H] = reduction

Notes below this point were from questions after class & can be safely ignored.

