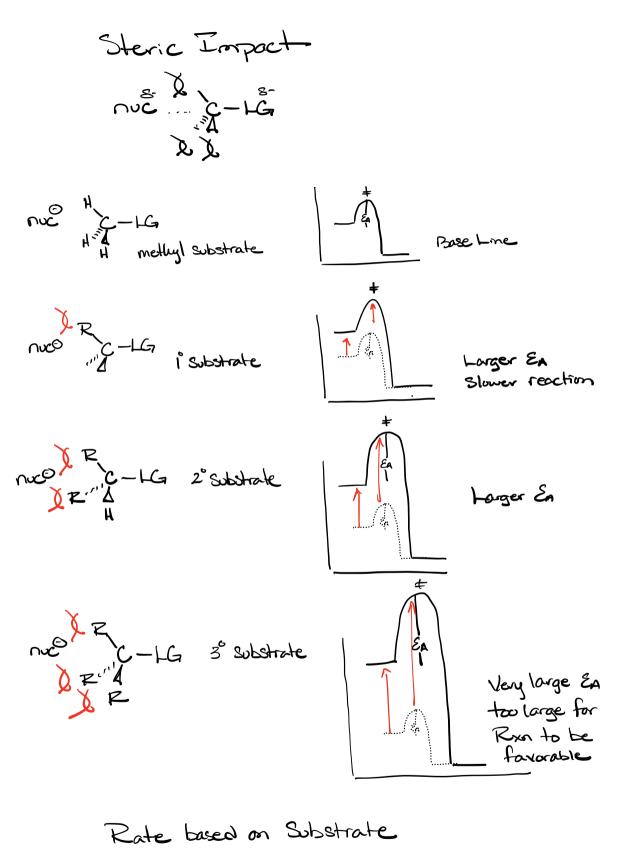
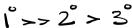
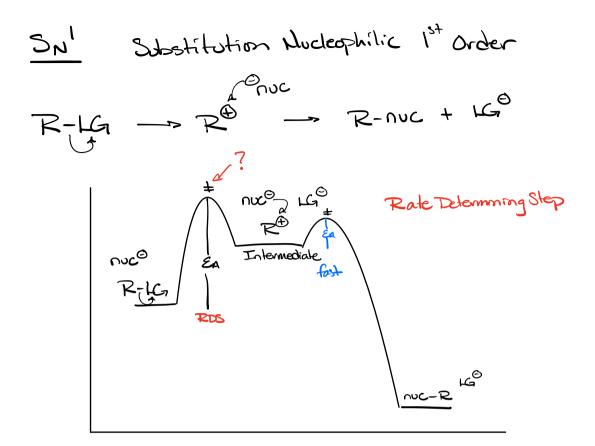


Reactort like Early transition State >> Anything that raises the energy of the reactants also raises the energy of the = => Raises & for Ran







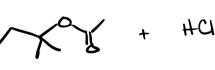
Examples

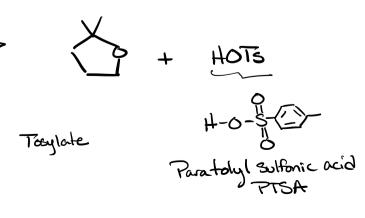


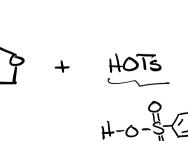
40

14-0







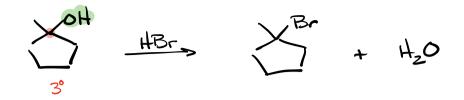




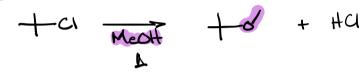


٨

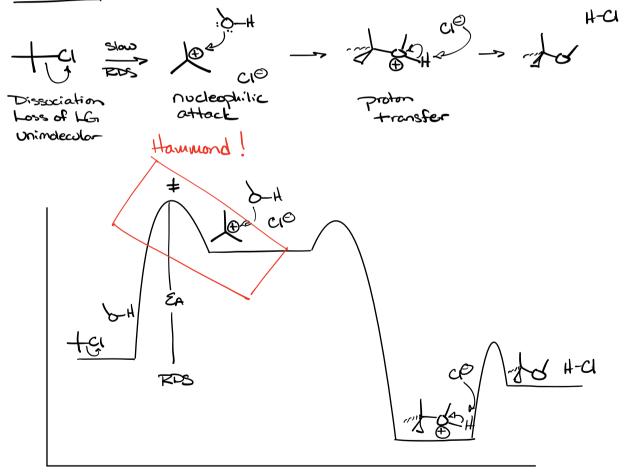
0\_\_\_

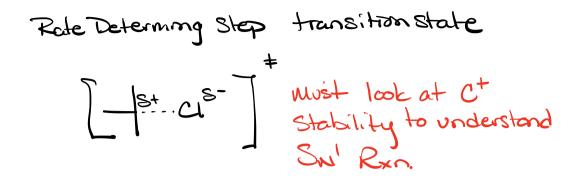


Example

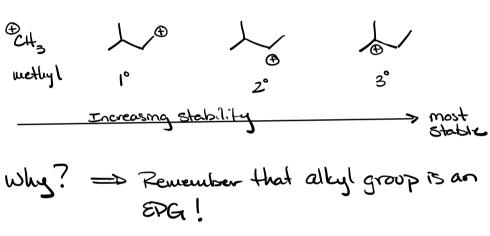


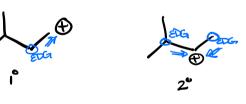
mechanism





Carbocation Stability



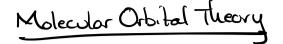


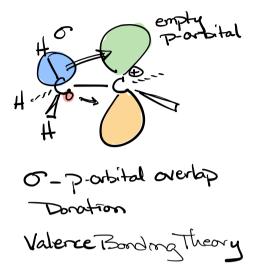


most stabilizing forces

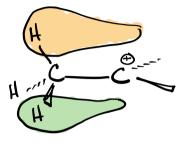
How is alkyl group EDG?

Hyperconjugation



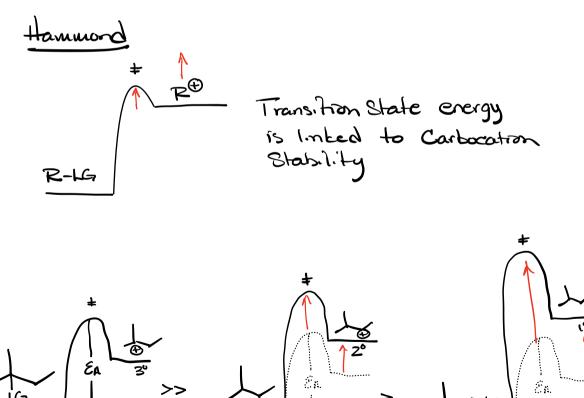


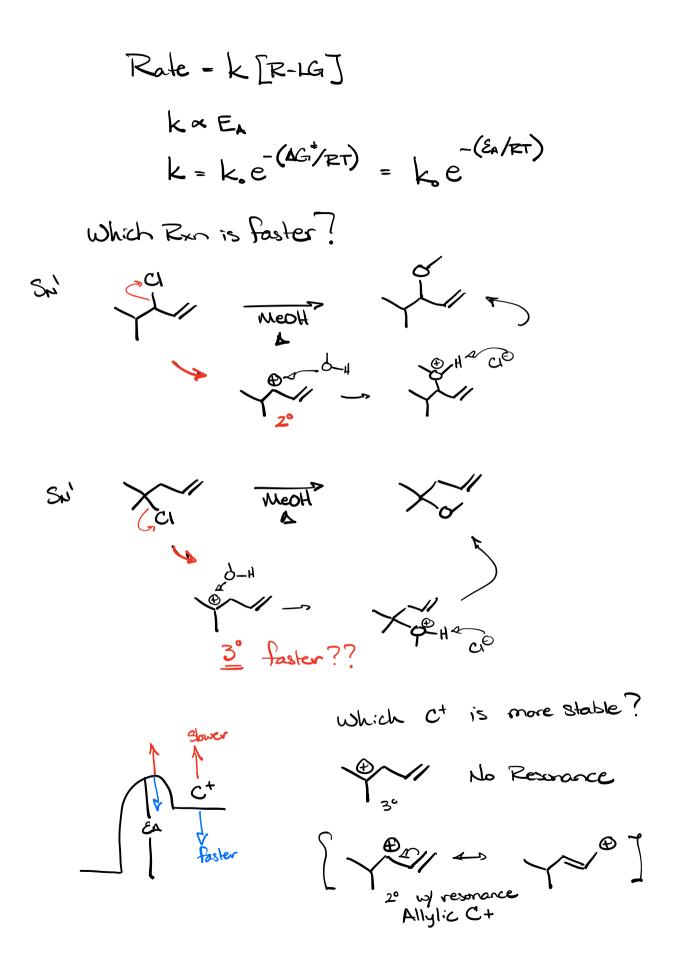
- ا الما

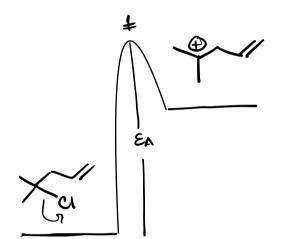


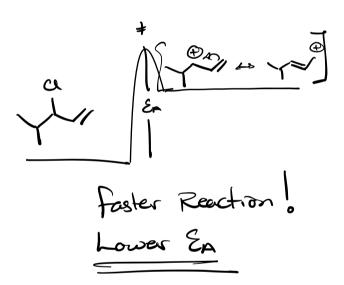
LUMO T-bond like E donation to Ct from adjacent alkyl group

-



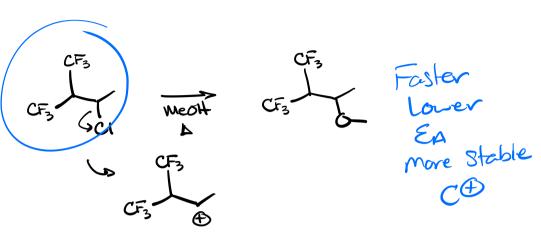




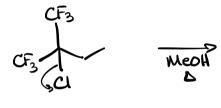


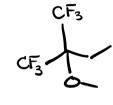
Which reaction is faster ?

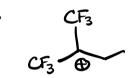


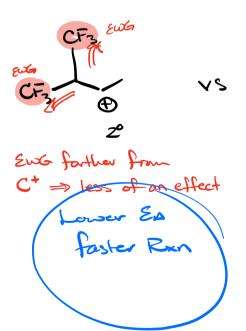


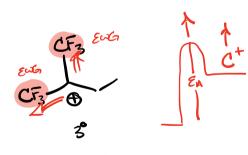












ense Closer less stable Higher EA Slow Rom