Today Next Class

Sections 2.6 - 2.9
Summarize structure reactivity relationships

Sections 3.4–3.6

Nomenclature of alkyl halides, ethers. and alcohols
Sections 3.1-3.3
Nomenclature of Alkanes and Cylcoalkanes
Sections 3.8 – 3.11
Structures and properties of organic molecules

HA -> H + (A => stabilize Stabilization of a Base or Conjugate Base Summary

Get electrons near a positive charge

the nucleus the better The higher the Decharge on the nucleus the the Get e's close to the nucleus sp better than 3p2 better than 3p3

Spread electrons out over a larger volume

resonance

negative charge on a large atom

inductive effect

The se et will be attracted to the induced to th

To be a good H+ donor gour conjugate base needs Stabilization of a Base or Conjugate Base Summary HA -> H+ be low in E. ОН ОН **60** To be a good bare the e's need to be more attractive, more reactive, less stable. more pattractive... lp = on (N) or 0? more seactive less stable ΘH nucleus Aucleus H2N Stable Which N? Inductive effect is stabilizing bord ... resonance! adjacent to TT also stabilizina e here

Which proton is the most acidic proton? Practice same atom bares 0 after H+ leaves same size O, same charge O nucleus, same hybridization, no resonance

Which acid is the stronger acid?