## (12) **Today**

Sections 2.7 – 2.11: Acids and Bases

Section 2-12: Non-Covalent Interactions Between Molecules

Section 2.7: Problem 2-11 Section 2.8: Problems: 2-12, 2-13 Section 2.9: Problems 2-14 – 2-16 Section 2.10 - 2:11: 2.11 Problems: 2-17, 2-18, 2-24, 2-25, 2-40 (2-42 is a good question but theLewis acid-base concept is not strongly emphasized in our organic class), 2-43, 2-44, 2-46, 2-47, 2-48, 2-54, 2-55, 2-61, 2-64

## (14) Second Class from Today

Section 3.2: Alkanes and Isomers

Section 3.3: Alkyl Groups

Section 3.4: Nomenclature

### Section 2-12: Non-Covalent Interactions Between Molecules

2.12 Problems: 2-19, 2-65

Section 3.1: Functional Groups

Section 3.2: Alkanes and Isomers

Third Class from Today (15) Test 1 on Chap 1 and 2

#### Next Class (13)



Same Period More Positive Nucleus

weakest H3CO 6+ nucleus  $CH_4$ more & nucleus more attraction for e's ... & is more stable H, N<sup>O</sup>  $\neg^{+}$ NH<sub>3</sub> 8 \* HO®  $H_2O$ FO this conjugate base is fle most stable... 9+ stragest HF easiet do form so the acid is the Stronge st pKa's CH<sub>4</sub>, ~50 NH<sub>3</sub>, ~36 H<sub>2</sub>O, 15.6 HF, 3.18

# Five ways to stabilize the electrons on the conjugate base

Same Column Larger Valence Shell







Practice: For each molecule, which proton is the most likely to be lost and for each pair, which is the stronger acid

