(12) Today Next Class (13)

Sections 2.4 - 2.6 Sections 2.4 - 2.6 Electron Delocalization Resonance/Electron Delocalization

Bring Modeling Kits Bring Modeling Kits

Sections 2.7 – 2.11
Acids and Bases
Sections 2.7 – 2.11
Acids and Bases

(14) Second Class from Today

Test 1 Chap 1 and Chap 2.1 - 2.6

Third Class from Today (15)

Sections 2.7 – 2.11 Acids and Bases

Section 2.12 Noncovalent Interactions Between Molecules

Review session on Thursday at 7:30 pm in Wilson 304

Whenever 3 or more p orbitals are in a row, experiments and MO theory say that the electrons are delocalized over all of the p orbitals.

This is a reactive intermediate... the 2 is B thre are 30 bands 502 hybridization one unhybridized p orbital equal weight in e gual importance understanding vrolecule

Rules for drawing Resonance Contributors

- 1. atoms don't move, only electrons
- 2. **don't move** σ **bonds**, only π bonds, lone pair e-'s, or unpaired e-'s (radicals)
- 3. the total number of electrons must stay the same, don't change the net charge
- 4. p orbitals must be able to line up parallel to each other

chage reparation Ocharge on an O with 2.135485 13 with 3 155465 higher in E than
the other one
this sesonance hybrid does not help us understand the molecule So don't draw it therefor, the molecule More strongly resembles the contributor that 13 lower in E

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\$ 0 \ \$ 0 \ \$ 0 \ 5- 5+

how do I show that the C has a set of lone-pour e's? write the formal chage

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