Notes 02/01

Friday, February 01, 2008 10:05 AM

 ${\it Audio\, recording\, started: 10:05\, AM\, Friday,\, February\,\, 01,\, 2008}$

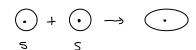


Notes 0213

Net interactions of the lobe













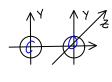
Rules

- 1. Similar size
- 2. Similar energy
- 3. Phases overlapped
- $4. \quad There \ will \ be \ same \ number \ of \ molecular \ orbitals \ as \ original \ atomic \ orbitals$
- 5. Most electronegative atoms have lowest energy orbitals

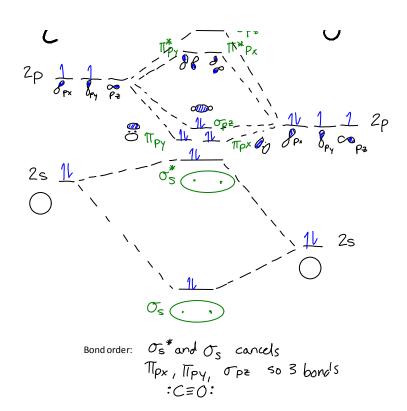
Steps

- 1. Draw atoms
- 2. Figure out valence atomic orbitals
- 3. Mix

Molecular Orbital of CO







P orbitals are degenerate (same energy) so it doesn't matter if p_x , p_y , p_z is placed first second or third orbital

Molecular orbital of O₂

