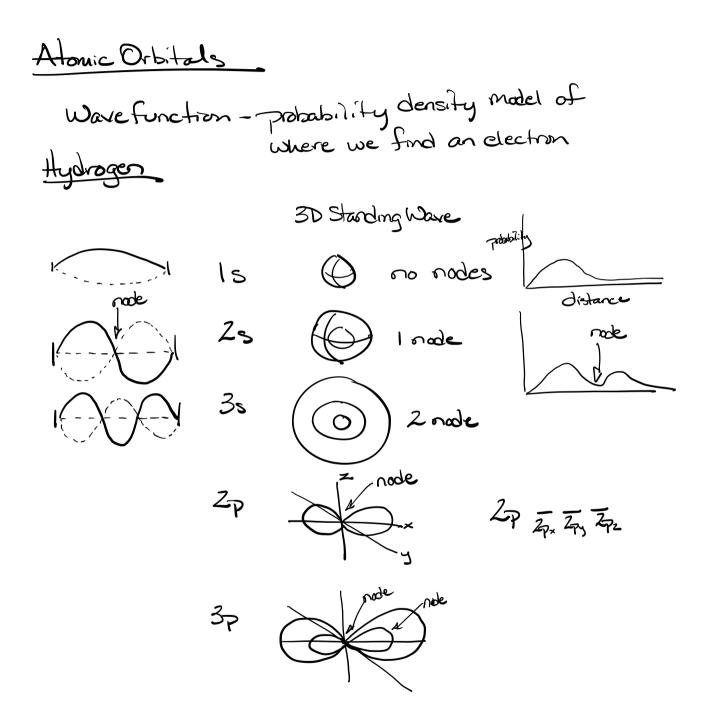
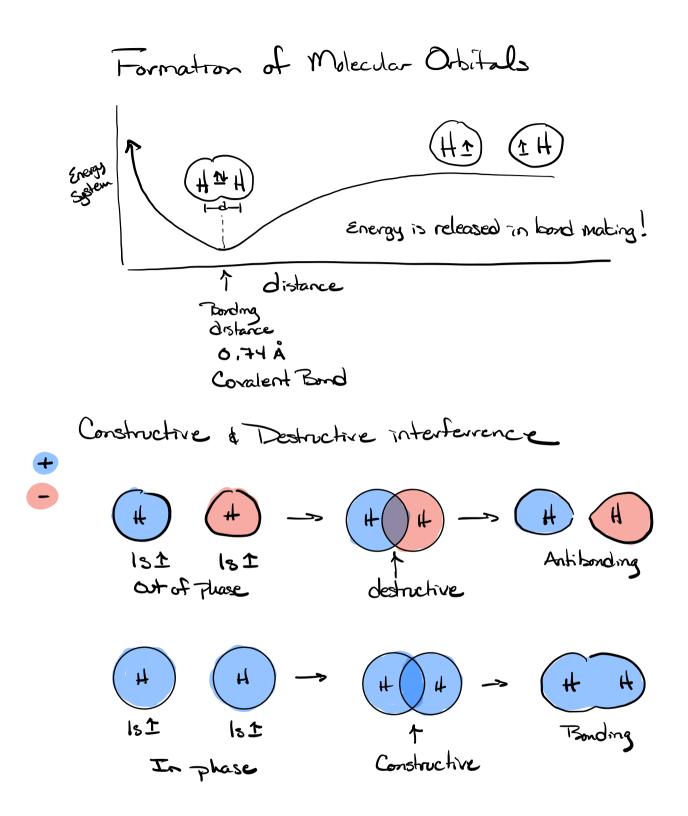
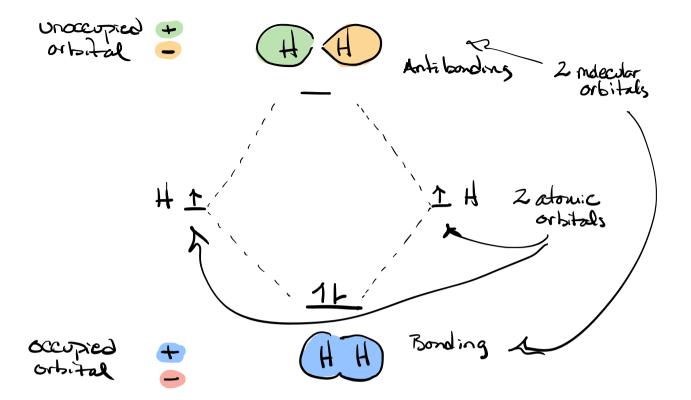
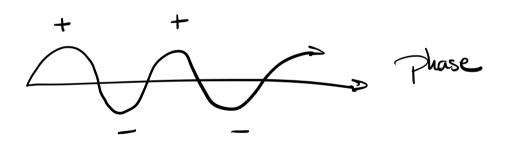
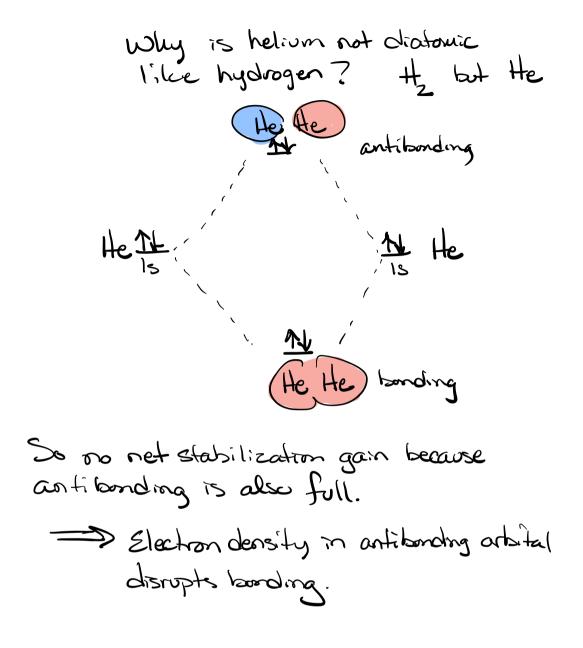
Chapter 2

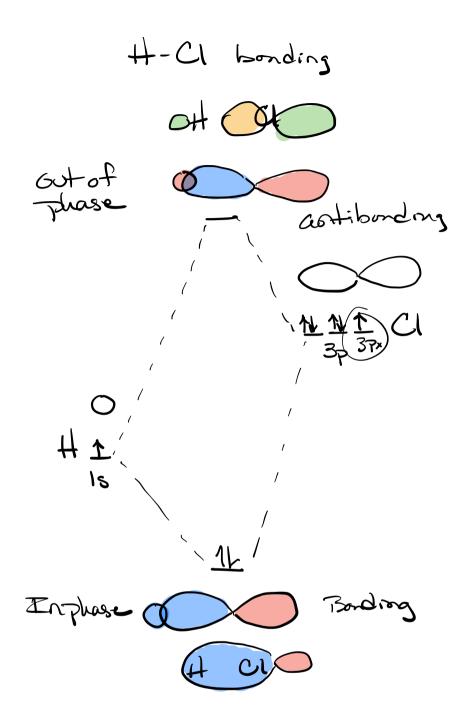


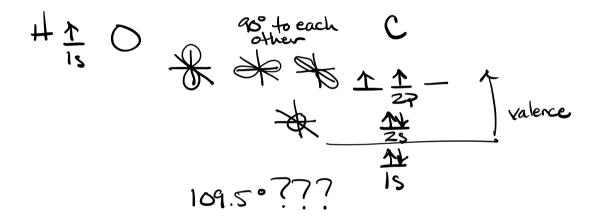












Bonding Theorys or Models

Molecular Orbital Theory

- Orbitals are delocallized over whole Molecule. Each Molecular orbital May Contribute bonding interraction to more than just 2 atoms.
  - Molecular orbitals are built with linear combinations of atomic orbitals
  - Molecular orbitals are wave equations which minimize suclear - nuclear repulsion, eile repulsions & other factors.
  - Molecular orbital theory is very good at predicting energy levels and Spectroscopy.

Natural Bording Theory

- Stepwise approach where atomic orbitals are used to build hybrid orbitals. Linear Combinations of atomic orbitals are used to nathematically construct hybrid orbitals. The hybrid orbitals tave better geometry and overlap for praking bonding orbitals. 4 atomic Orbitals.

