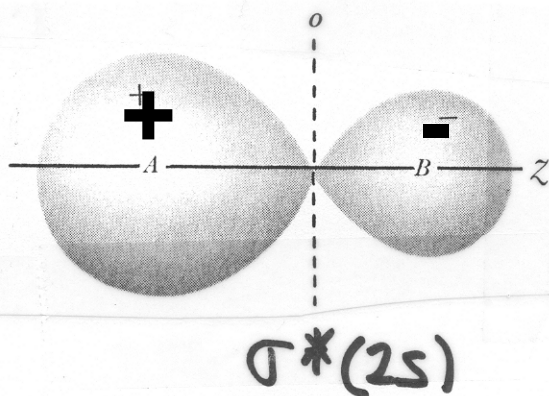
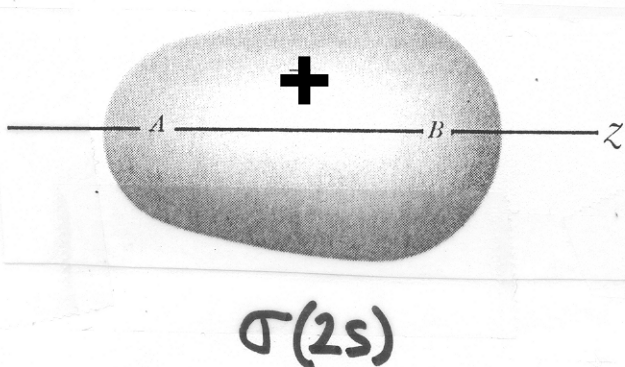
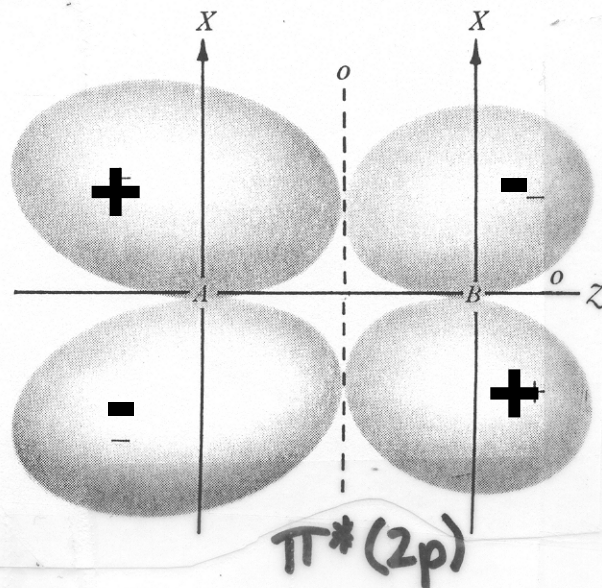
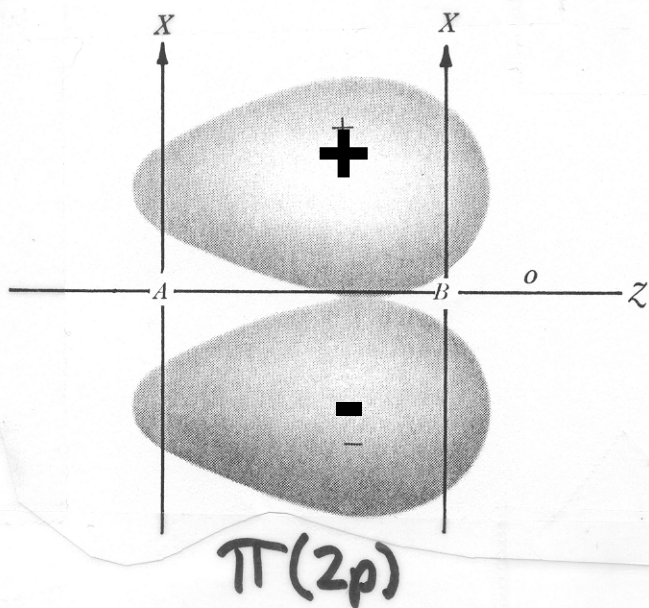
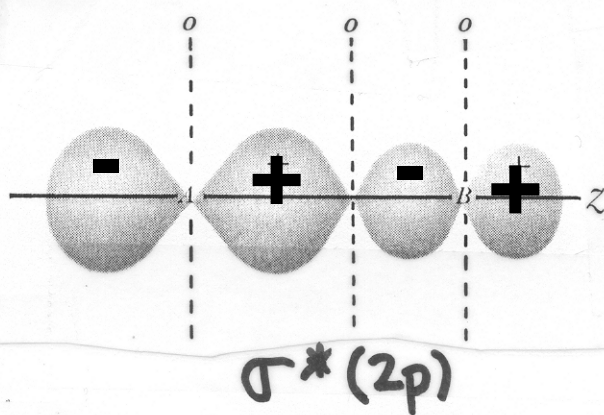
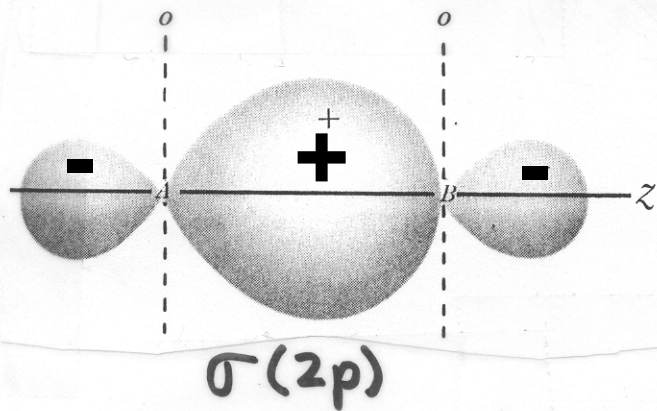


2nd Row Heteronuclear Diatomics (A-B): Molecular Orbitals



$$Z_{\text{eff}}(\text{A}) < Z_{\text{eff}}(\text{B}) \Rightarrow \chi(\text{A}) < \chi(\text{B})$$

from Harry B. Gray, *Chemical Bonds: An Introduction to Atomic and Molecular Structure*. Mill Valley, CA, University Science Books, 1994.