

# **ROTD 2/10/06**

**1) Resonance Theory is a way to gain a "truer" picture of molecules that can be represented by more than one Lewis structure.**

**2) Molecular Orbital Theory is a more complete model of bonding, and it is based upon the linear combination of atomic wave functions (orbital overlap).**

**3) When atomic orbitals are combined in a linear combination, one must add them *AND* subtract them (that is a linear combination). (The lead to conservation of the number of orbitals.)**