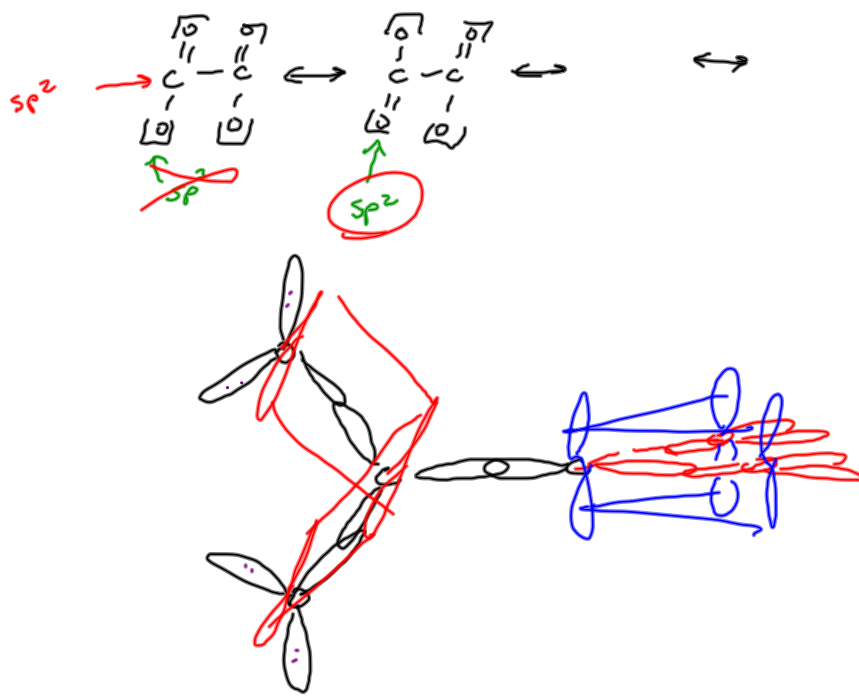
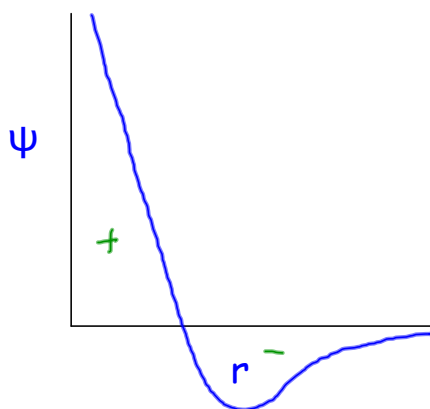


Draw the VBOOD for oxalate

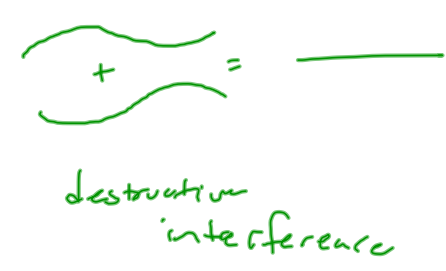
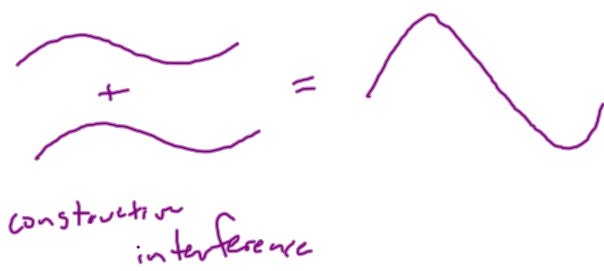


Molecular Orbital Theory

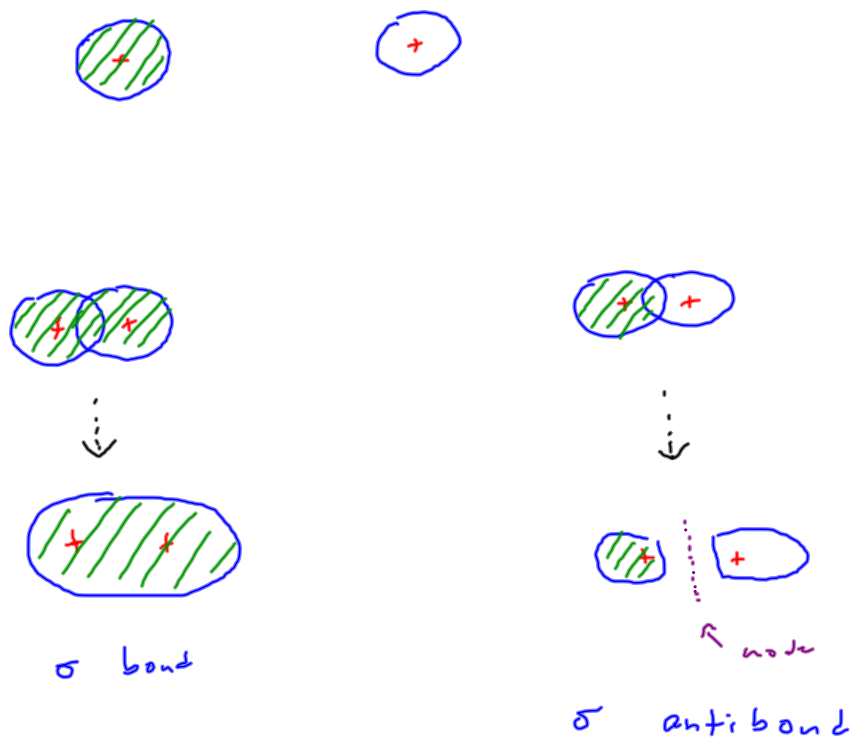
remember this...?



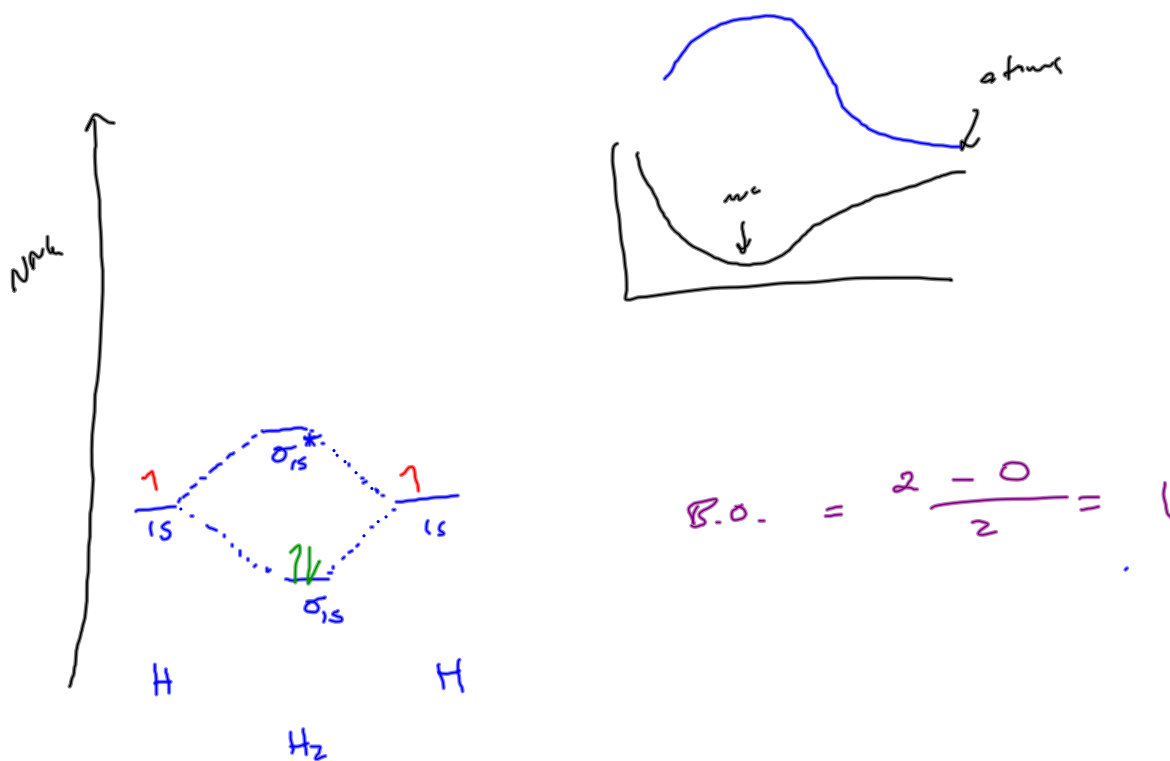
Wave Interference

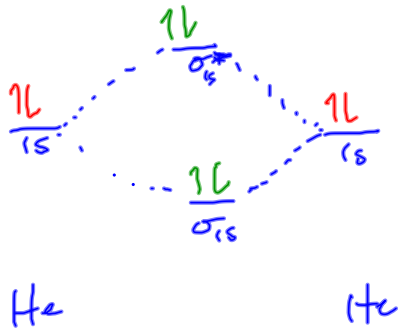


Interference of "s" atomic orbitals



M.O. Diagram of H_2



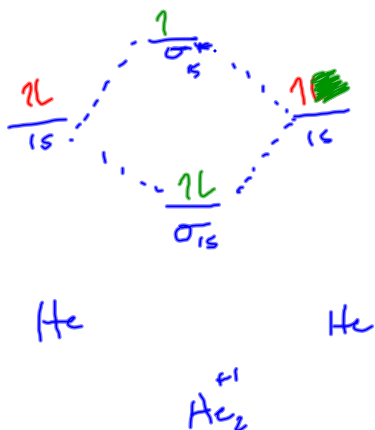
He₂

$$\text{B.O.} = \frac{2 - 2}{2} = 0$$

Bond Order

$$\text{B.O.} = \frac{\text{bonding } e^- - \text{antibonding } e^-}{2}$$

He₂⁺



$$\text{B.O.} = \frac{2 - 1}{2} = \frac{1}{2}$$