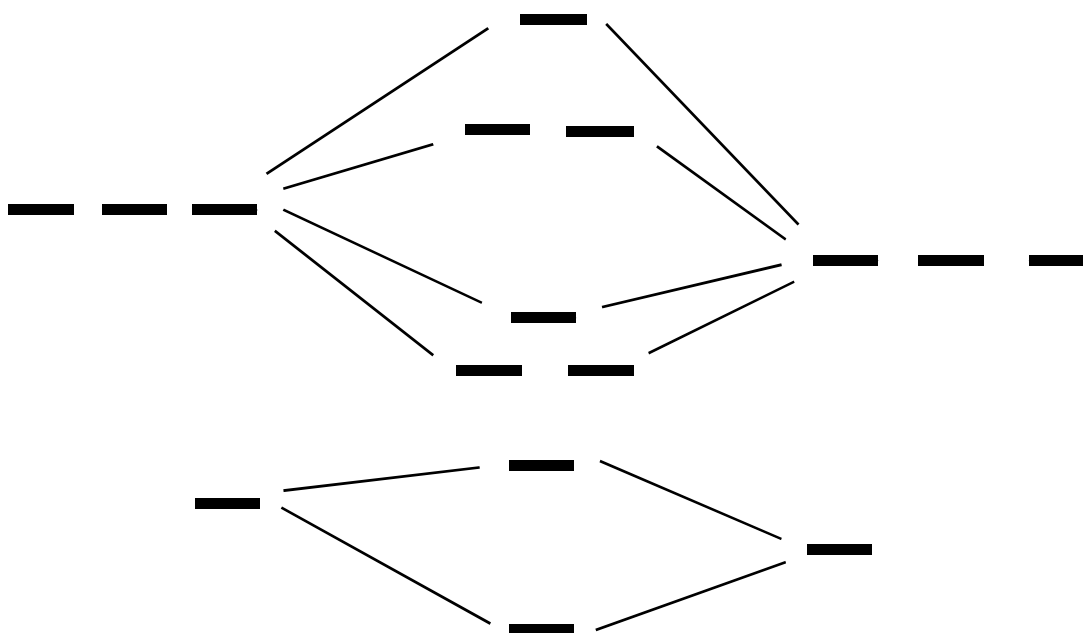


Quiz 1

1. Complete the following MO diagram for the molecule CO by
 - a. labeling the atomic orbitals, (Remember, an O atom more strongly attracts its electrons than a C atom does, so its electrons are more stable than a C atoms electrons.)
 - b. adding electrons to the appropriate orbitals,
 - c. labeling the molecular orbitals (σ , π , σ^* , π^*), and
 - d. determine the bond order for the molecule.



2. Draw a Lewis Structure for CO

3. Draw a Lewis structure for HCN.