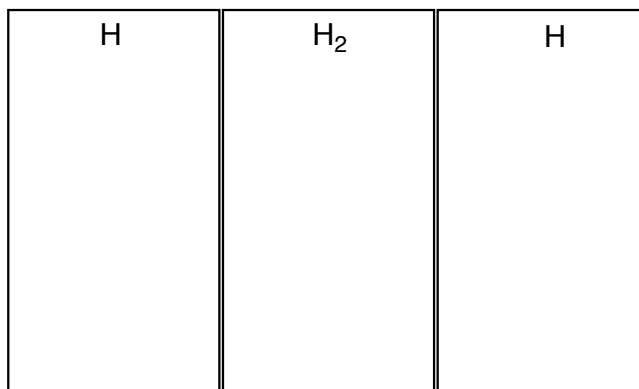
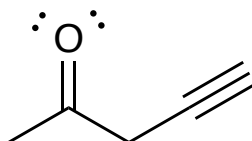


1.) Fill in this MO diagram for H₂. Label all relevant AOs and MOs: (5pts)



2.) State the hybridization of each atom (excluding H's) in this molecule: (6pts)



3.) Give the IUPAC names of the following compounds: (9pts)

