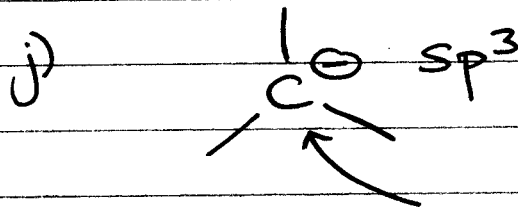
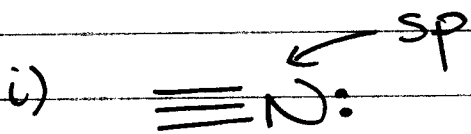
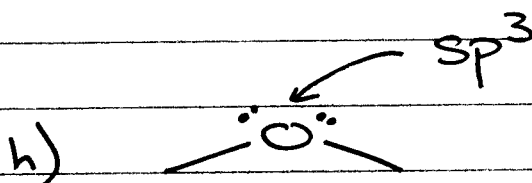
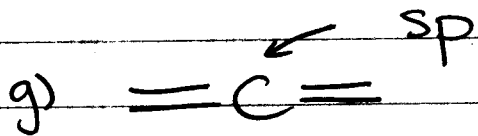
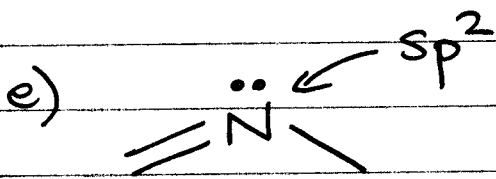
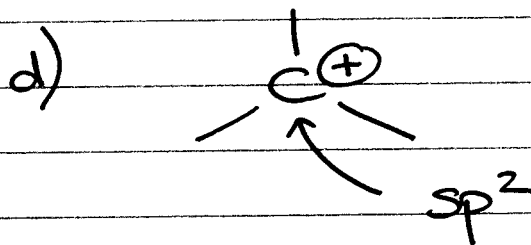
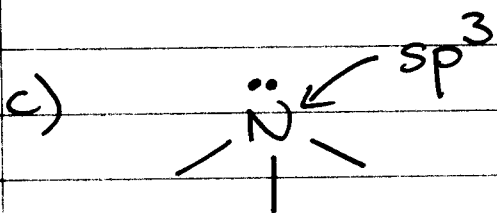
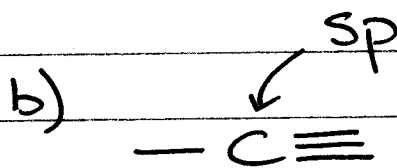
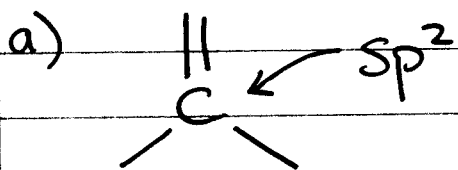
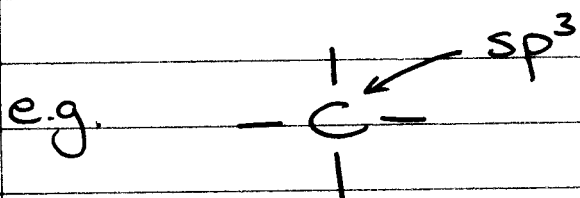


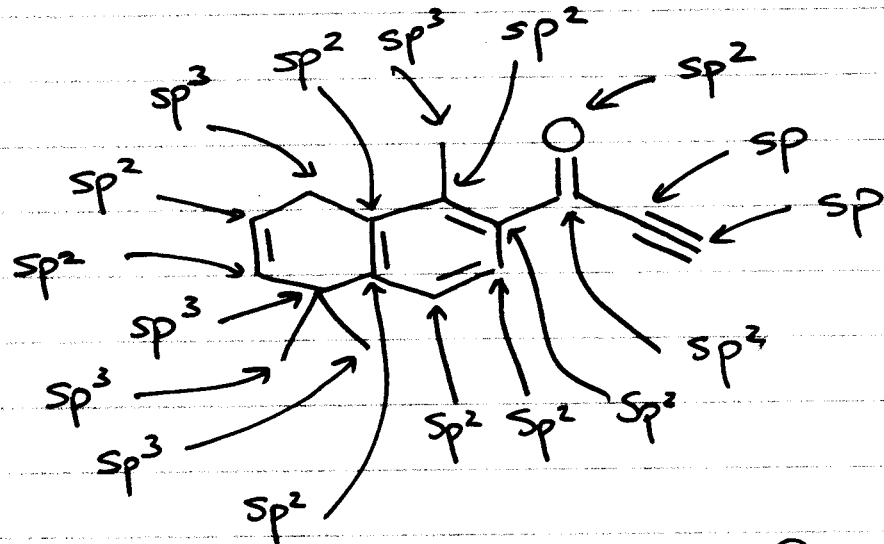
CHEM 30A  
FALL 2004

# HYBRIDIZATION

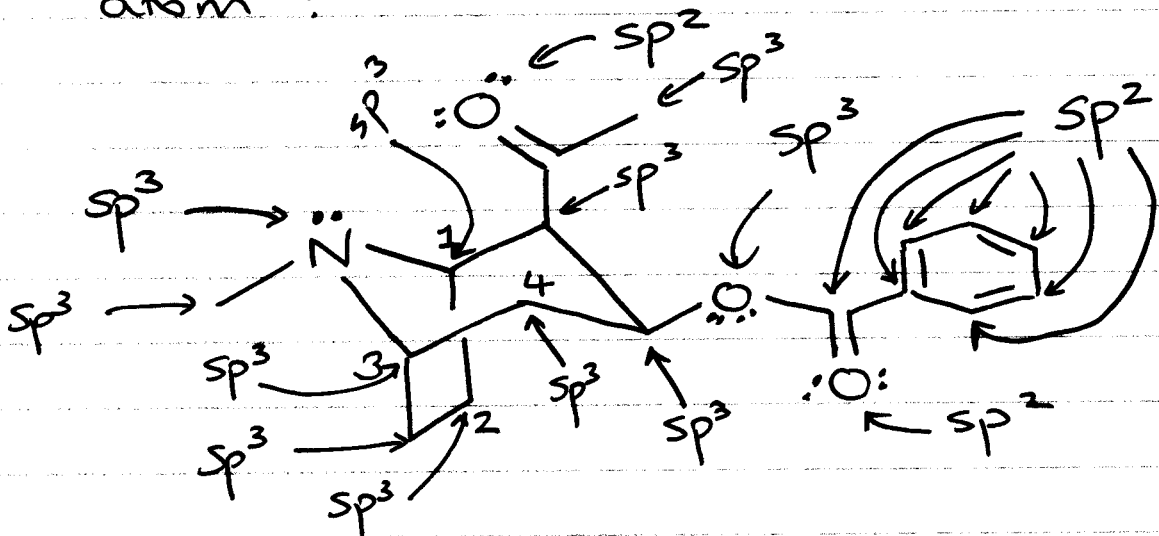
① In each structure below, what is the hybridization of the arrowed atom?



② What is the hybridization of each carbon atom in the structure below?



③ The molecular structure of cocaine is shown below, what is the hybridization of each non-hydrogen atom?



NOTE: Carbon atom 1 is bonded to carbon atom 2, there is a break in the bond to show that it is behind the bond going from 3 to 4. REMEMBER - molecules are 3-DIMENSIONAL