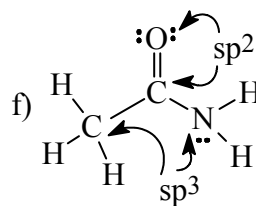
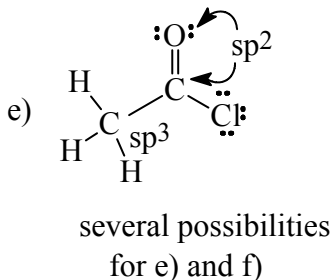
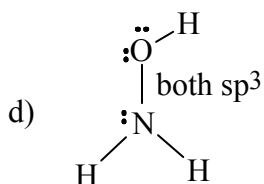
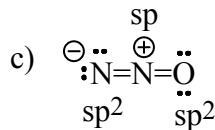
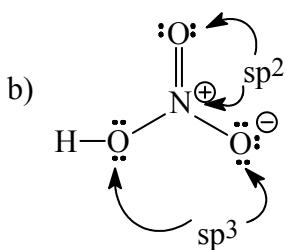
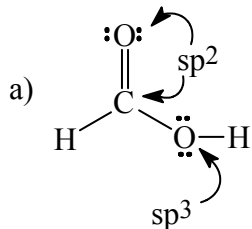
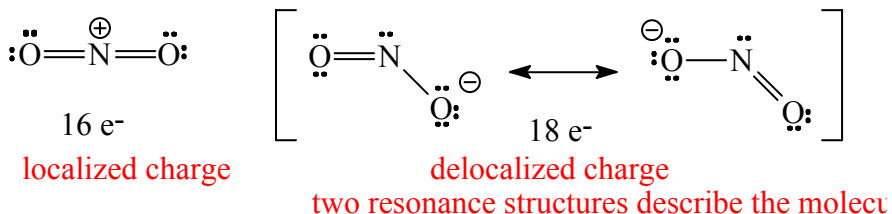


CHM 241
Some Chapter 1 and 2 problems

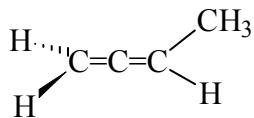
1. Propose reasonable Lewis-dot structures for the following. There may be more than one correct answer.



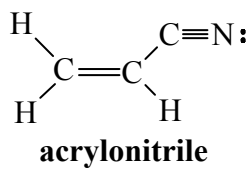
2. Identify the hybridization of each atom other than H and Cl in the compounds above. **See above.**
- 3.



4. Propose a structure of a hydrocarbon with 4 carbons that has 2 sp² – sp σ bonds.



5. Draw an orbital depiction of acrylonitrile. Label all bonds (π or σ) and orbitals (e.g. sp³).



6. Determine the molecular formula of the following compounds:

