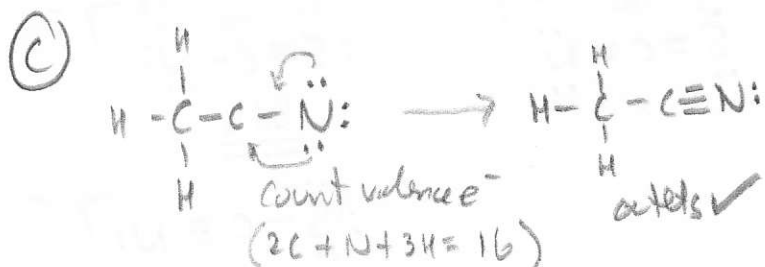
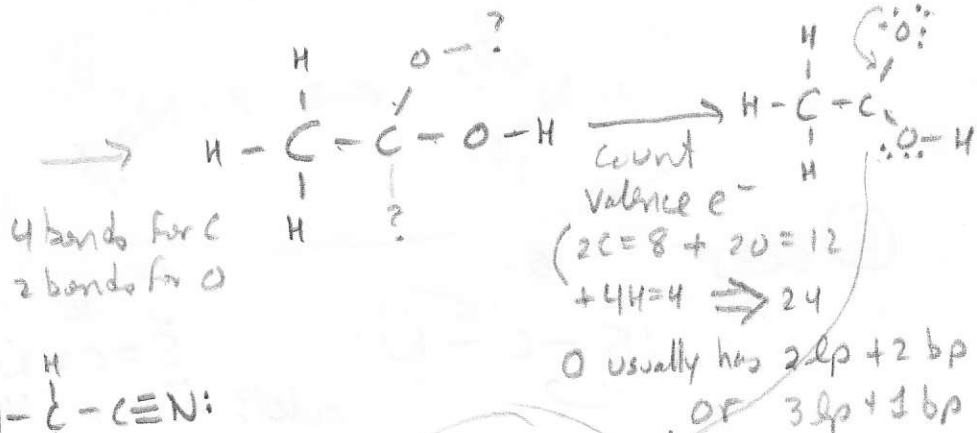
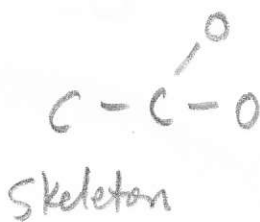
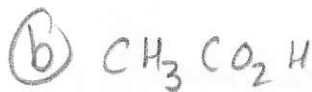
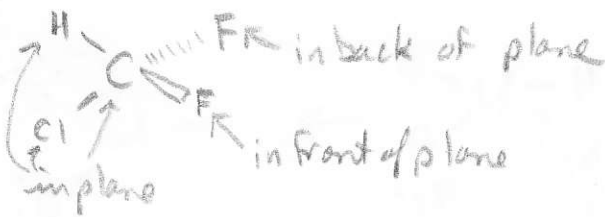
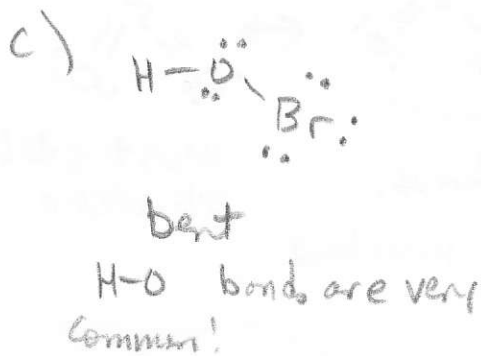
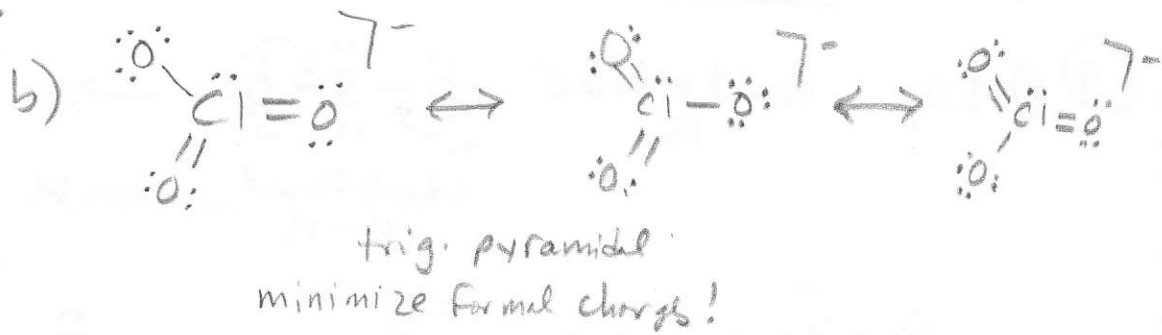
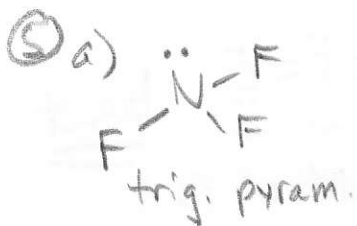
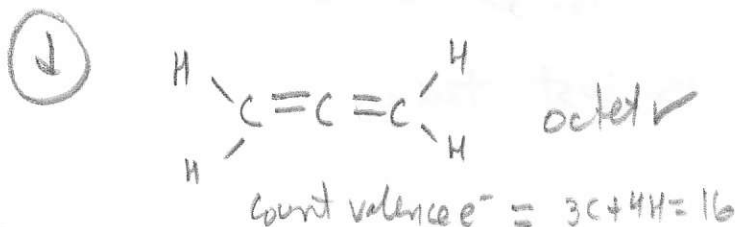
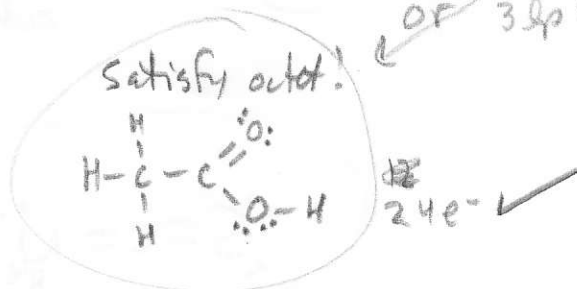


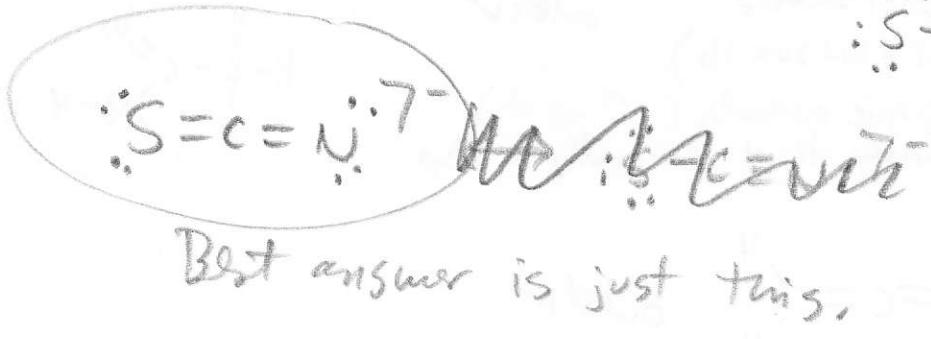
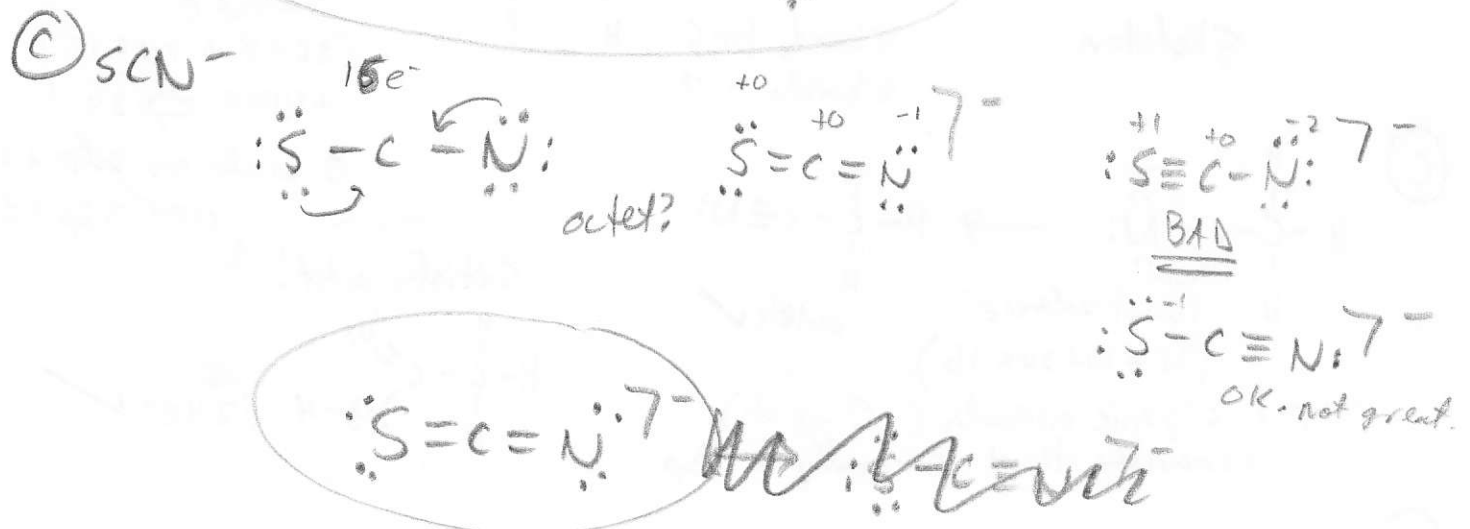
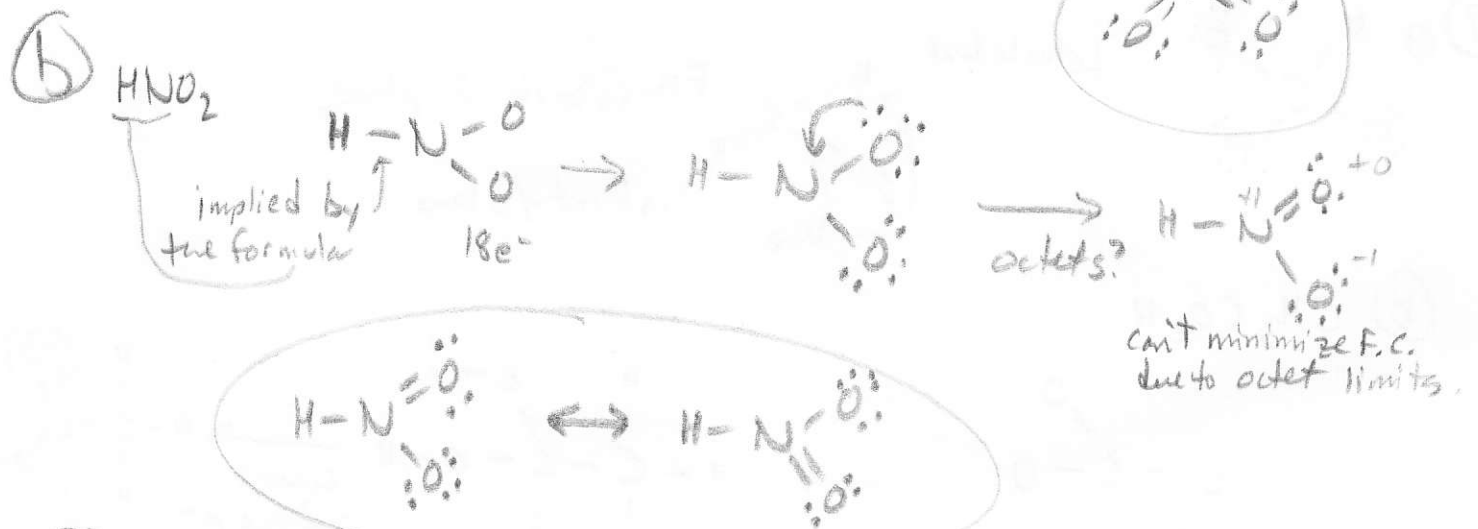
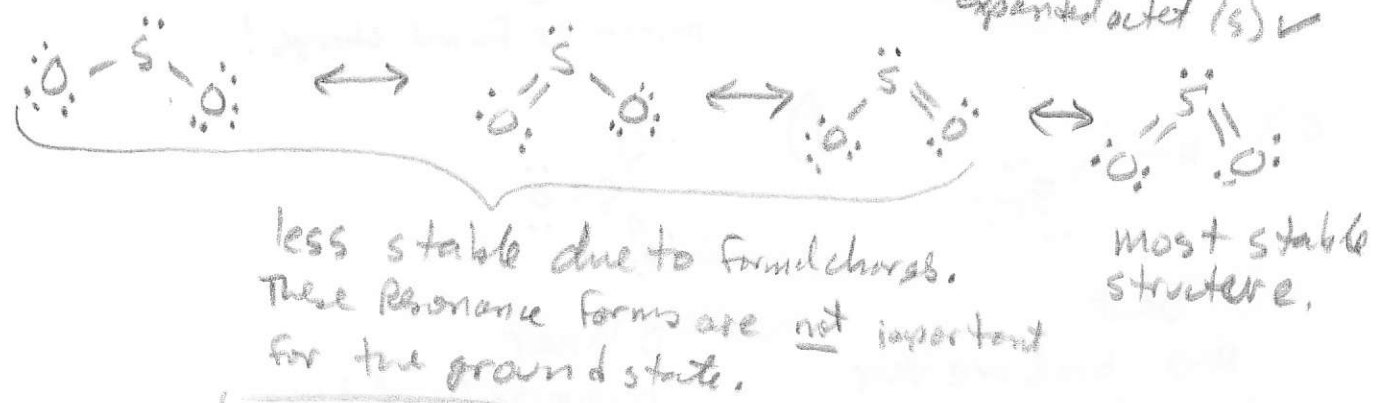
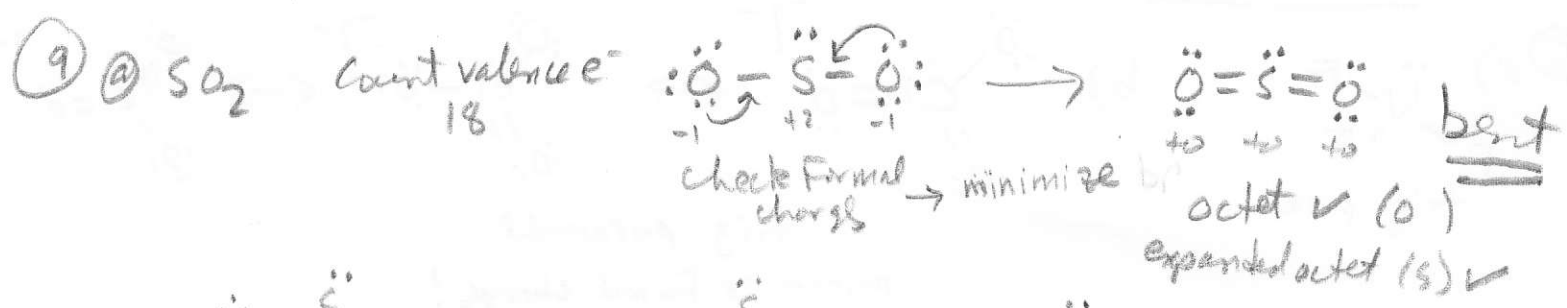
CH₈



For organic molecules (C-rich)
 remember that C usually has 4bp

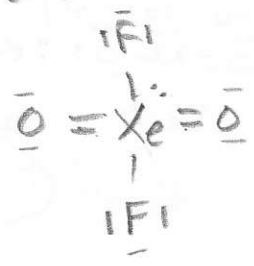
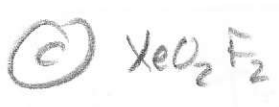


Ch 8

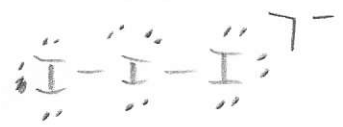
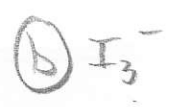




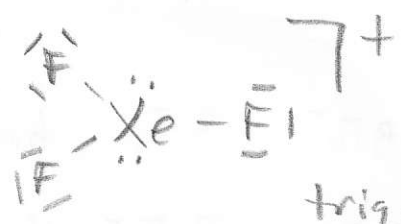
trigonal planar



see-saw

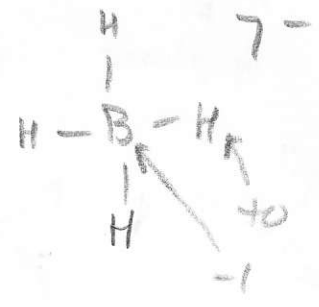
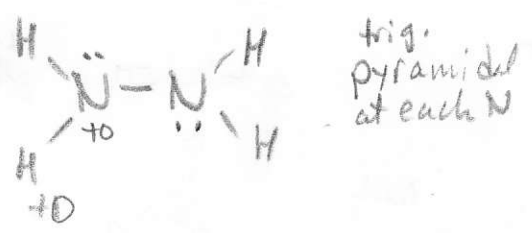


linear

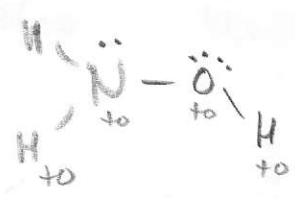
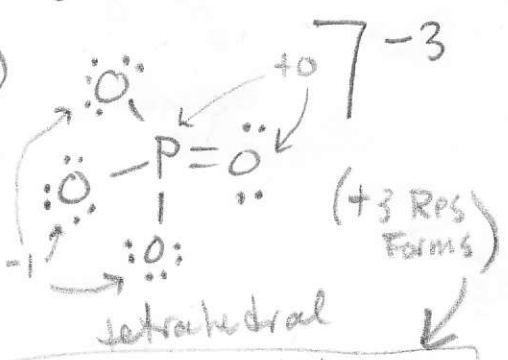


trig. planar

lp occupy more space than bp!



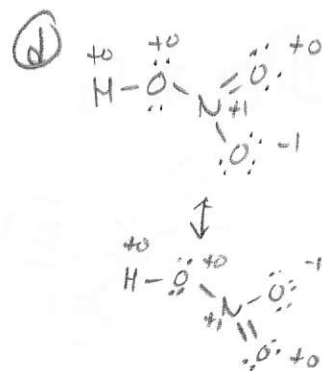
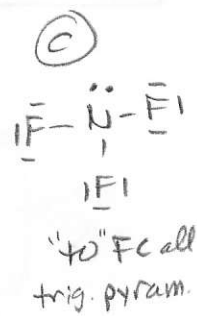
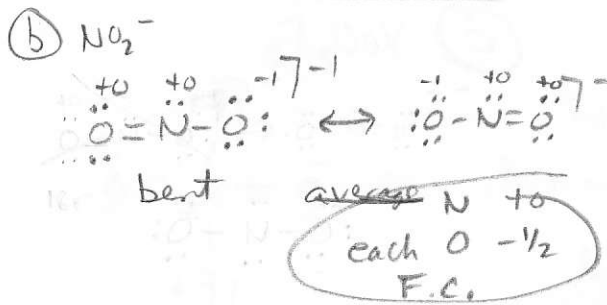
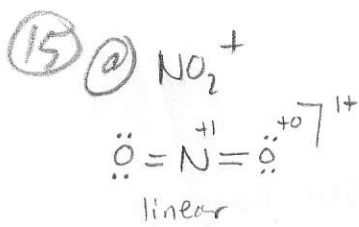
tetrahedral



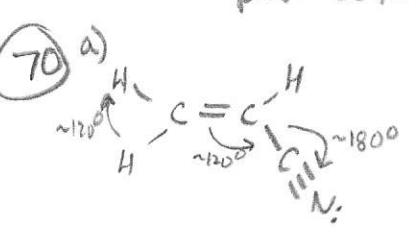
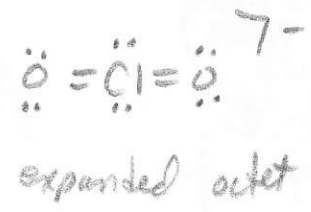
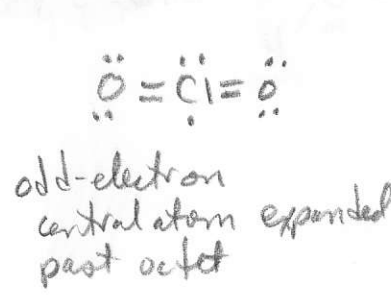
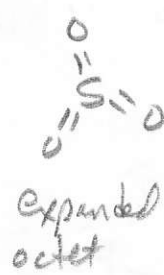
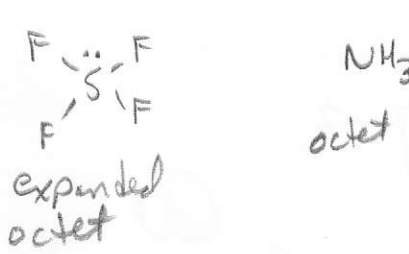
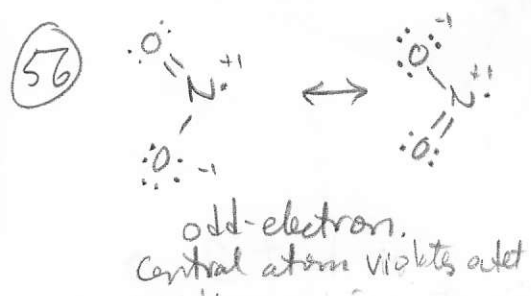
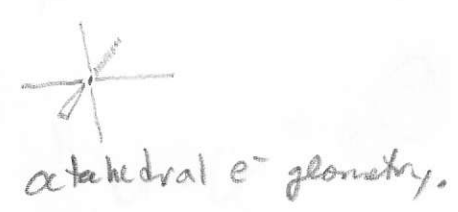
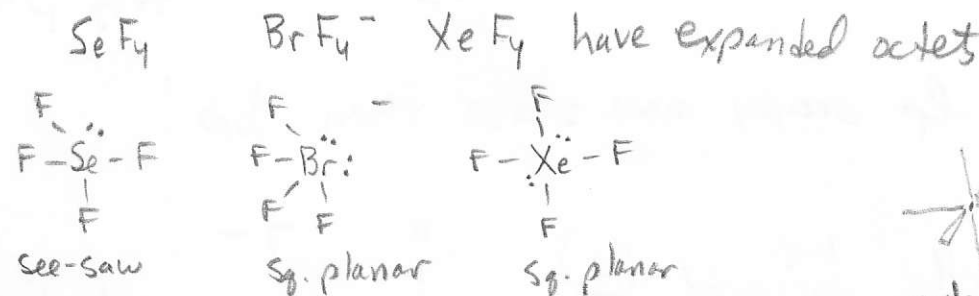
bent @ O
trig planar @ N

average Formal charge
each P: +0
each O: -3/4

Ch 8



55 octet? BF_4^- SiF_4 have octets



- b, c) $\text{C}=\text{C}$ shorter & stronger than $\text{C}-\text{C}$
- d) positive regions are near the H-atoms. Neg Region near the N
- e) $\text{C}\equiv\text{N}$ bond is most polar
- f) yes, the molecule is polar