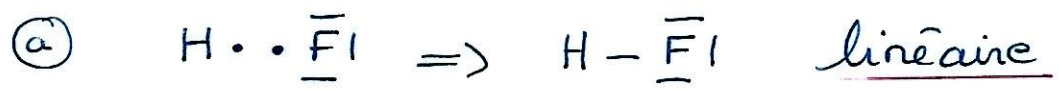
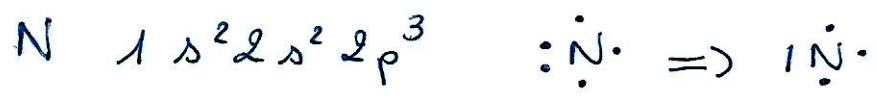
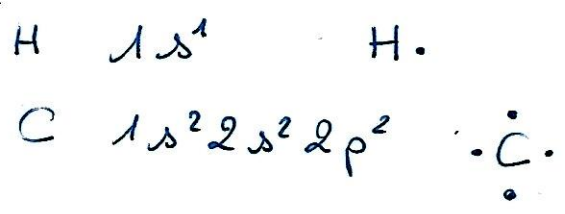
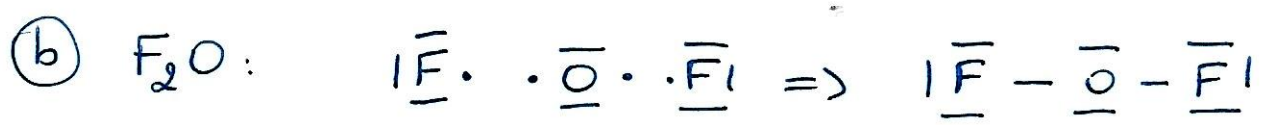
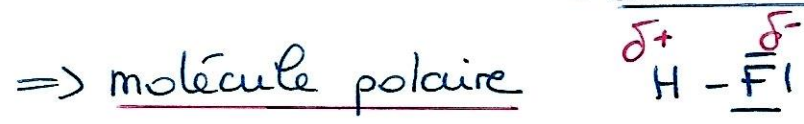


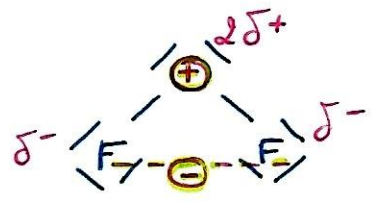
schéma de Lewis



$|X(H) - X(F)| = |2,2 - 4,0| = 1,8 > 0,4$
liaison polaire



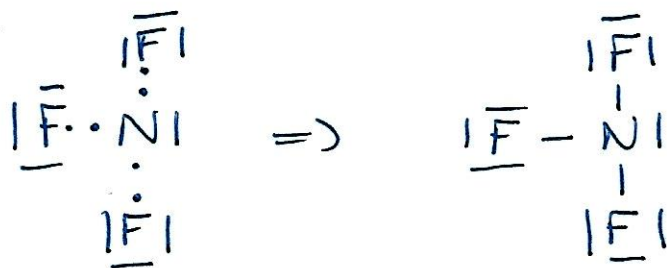
2 liaisons simples, 2 doublets non liants sur l'atome central \rightarrow coadée



$|X(O) - X(F)| = |3,4 - 4,0| = 0,6 > 0,4$
liaison polaire

centres des charges \oplus et \ominus non confondus \Rightarrow molécule polaire

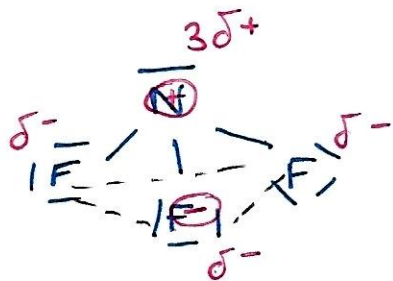
c) F_3N :



3 liaisons + 1 doublet non liant
sur l'atome central
 \Rightarrow pyramidal à base
triangulaire

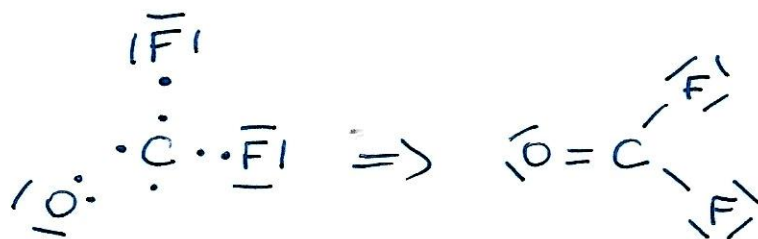
$$|\chi(N) - \chi(F)| = |3,0 - 4,0| = 1 > 0,4$$

liaison polaire



les centres des charges
⊕ et ⊖ sont non
confondus donc
molécule polaire

d) COF_2



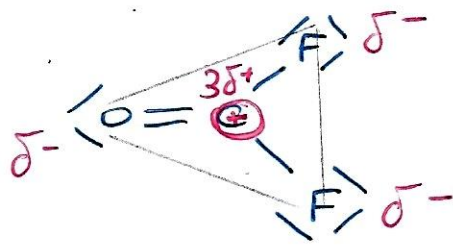
2 liaisons simples
1 liaison double
 $=$ triangulaire

$$|\chi(C) - \chi(F)| = |2,6 - 4,0| = 1,4 > 0,4$$

liaison polaire

$$|\chi(C) - \chi(O)| = |2,6 - 3,4| = 0,8 > 0,4$$

liaison polaire



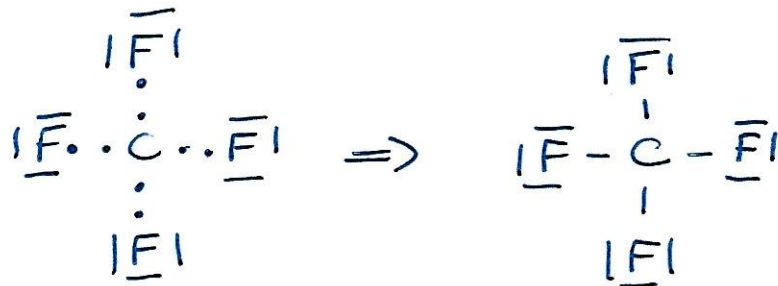
centre des charges \oplus

et \ominus confondu

\Rightarrow molécule non polaire
(apolaire)

(2)

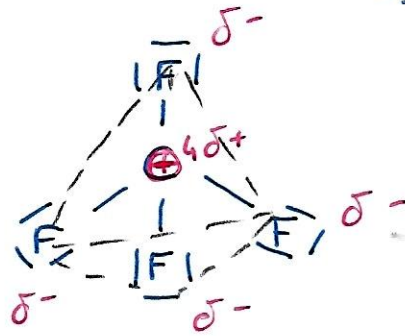
e) CF_4



4 liaisons sur l'atome central \Rightarrow tétraèdre

$$|\chi(C) - \chi(F)| = |2,6 - 4,0| = 1,4 > 0,4$$

liaison polaire



centres des charges \oplus
et \ominus confondus

\Rightarrow molécule apolaire
(non polaire)