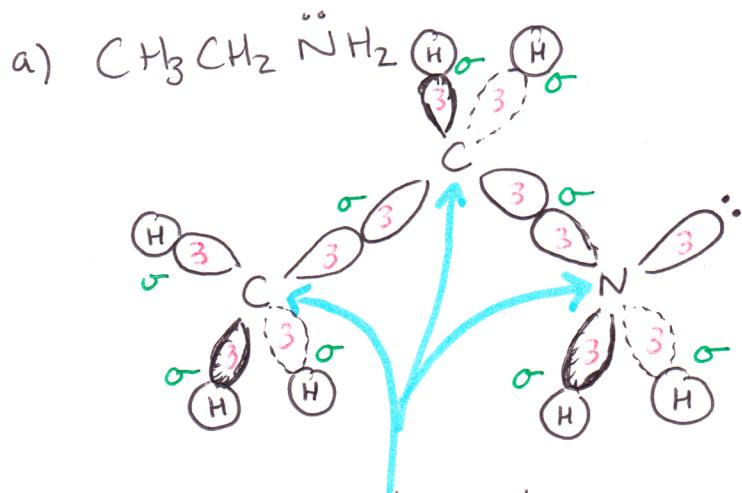
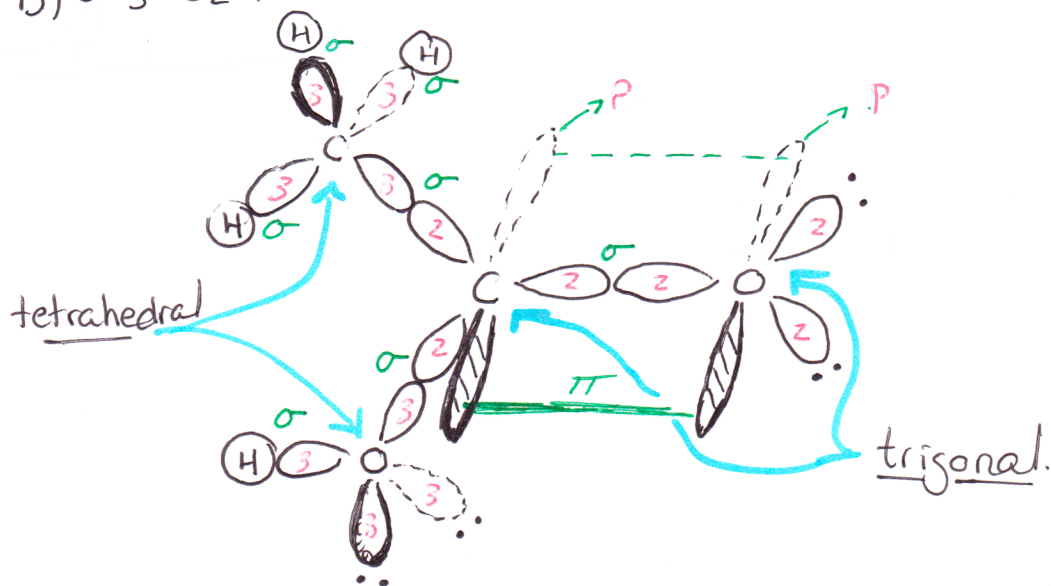
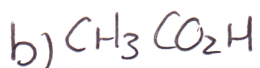


Assignment 4 Question 5



legend:
3 → sp^3

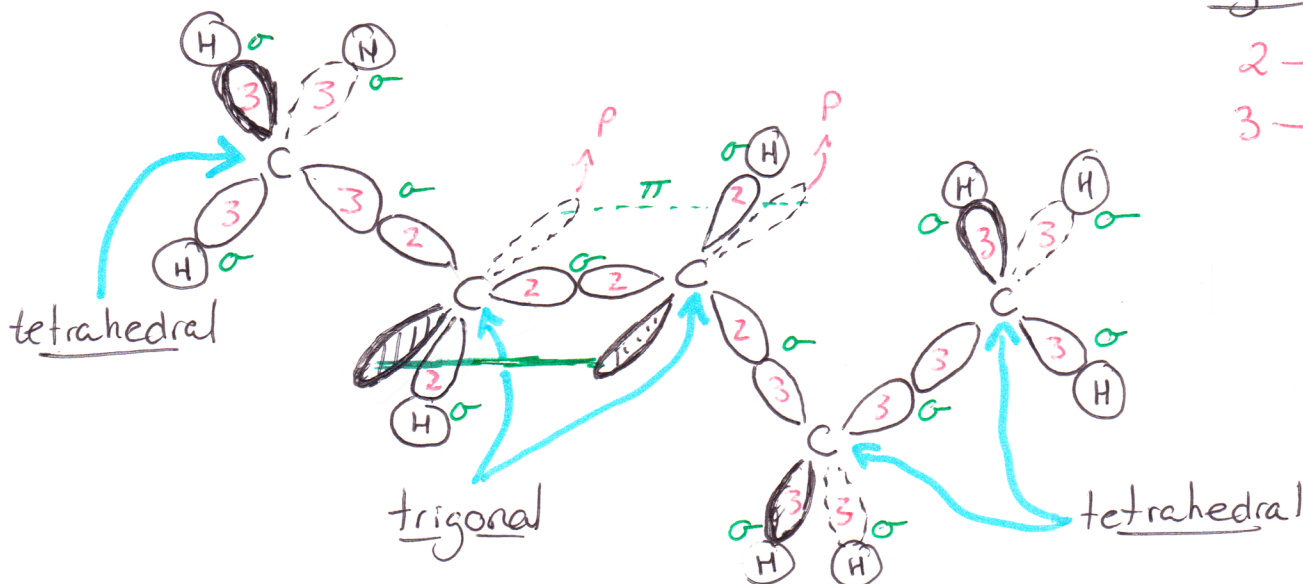
all three atoms
are tetrahedral.



legend:
2 → sp^2
3 → sp^3

tetrahedral

trigonal



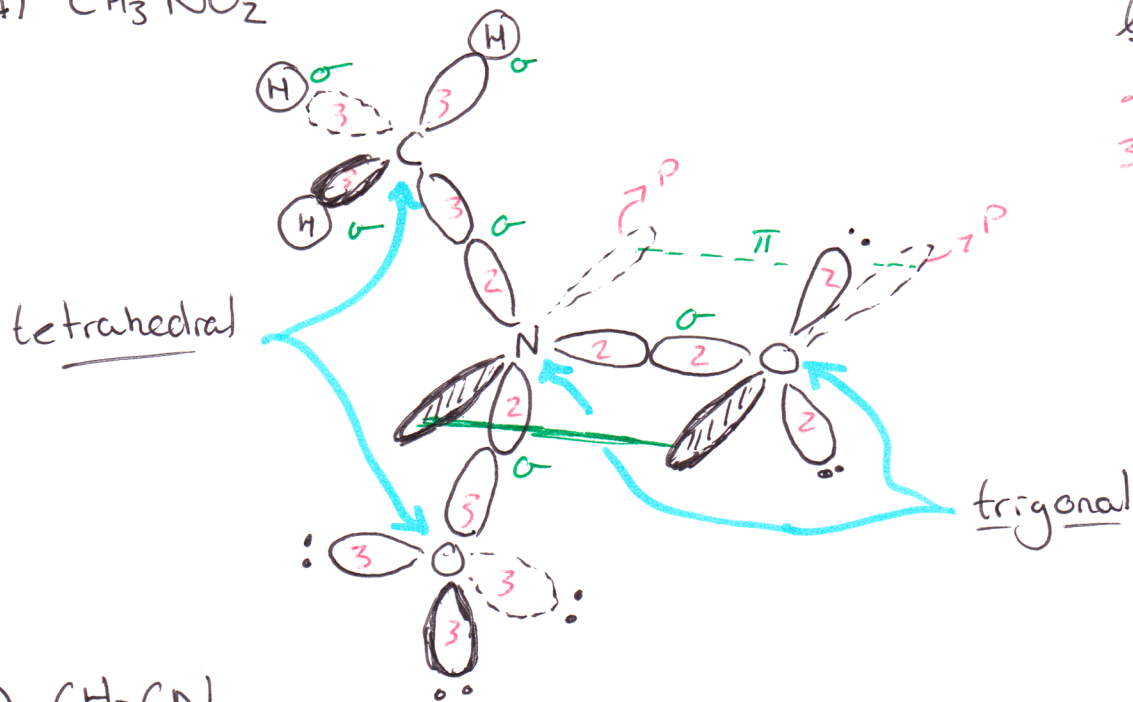
legend:
2 → sp^2
3 → sp^3

tetrahedral

trigonal

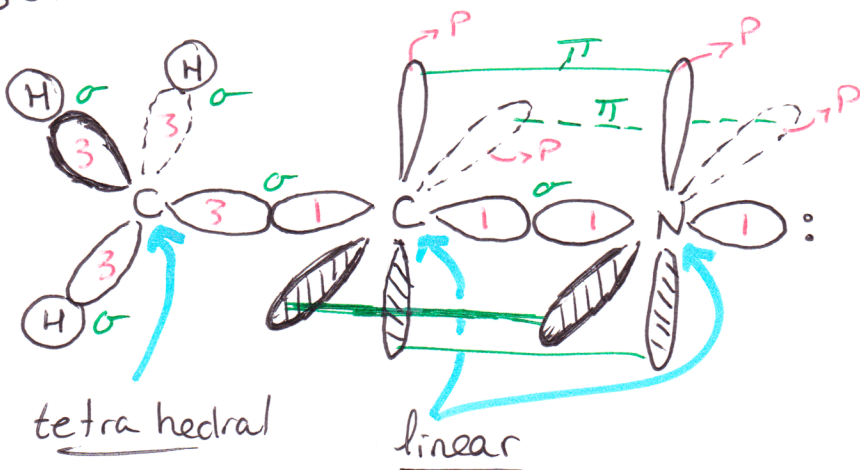
tetrahedral

d) CH_3NO_2



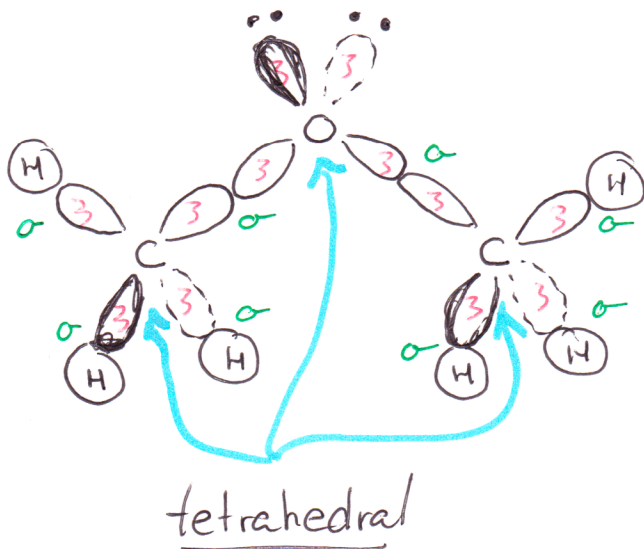
legend:
 2 \rightarrow sp^2
 3 \rightarrow sp^3

e) CH_3CN



legend:
 1 \rightarrow sp
 3 \rightarrow sp^3

f) CH_3OCH_3



legend:
 3 \rightarrow sp^3