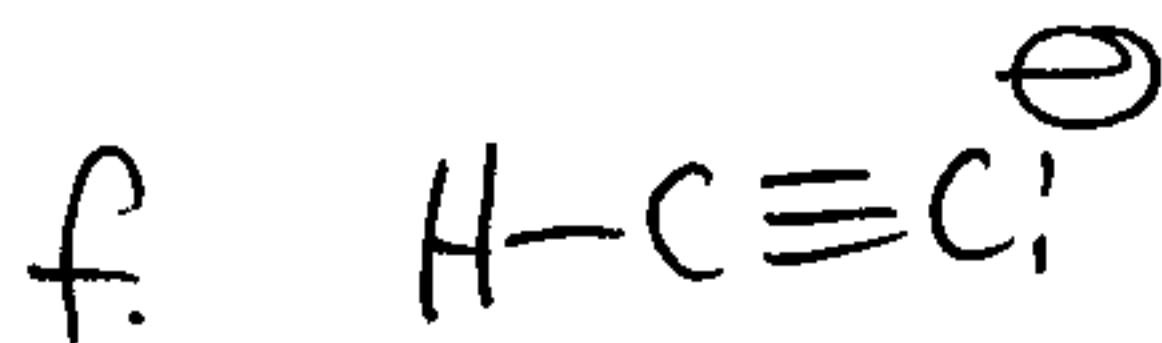
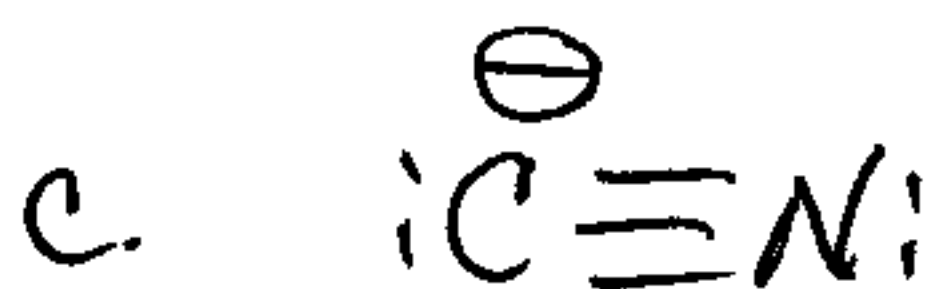
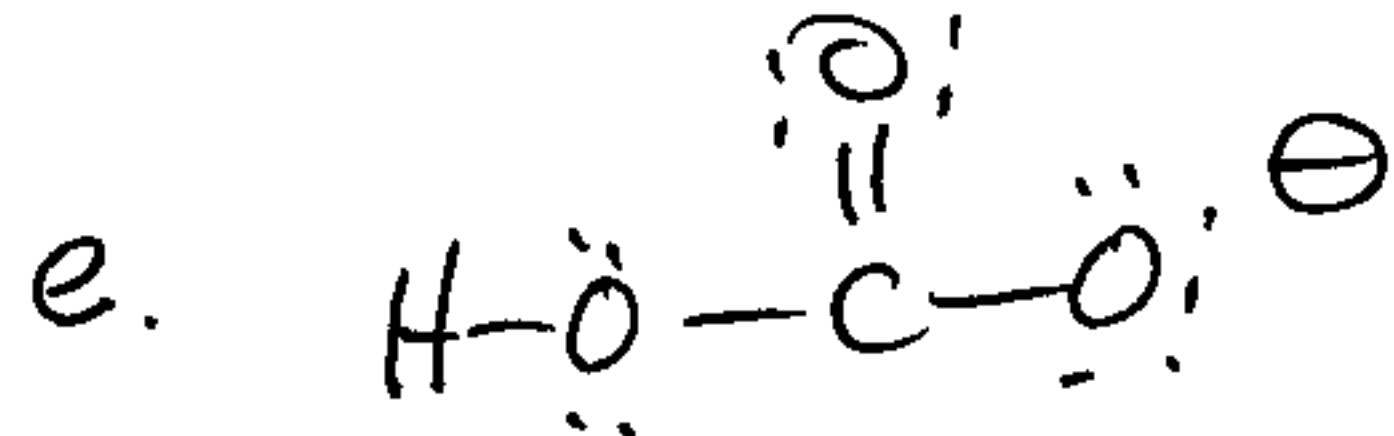
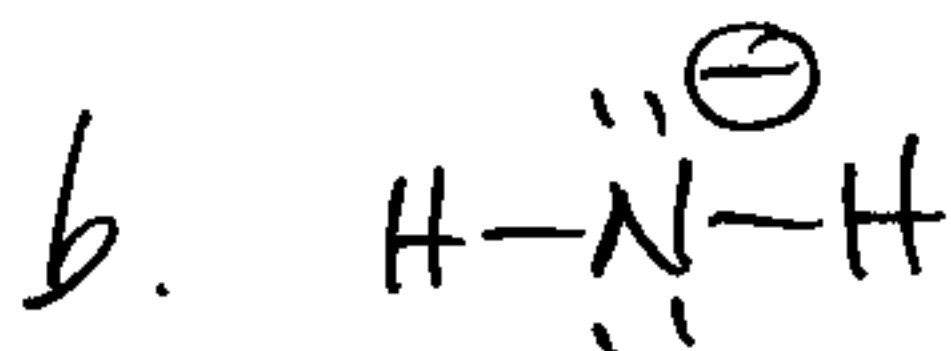
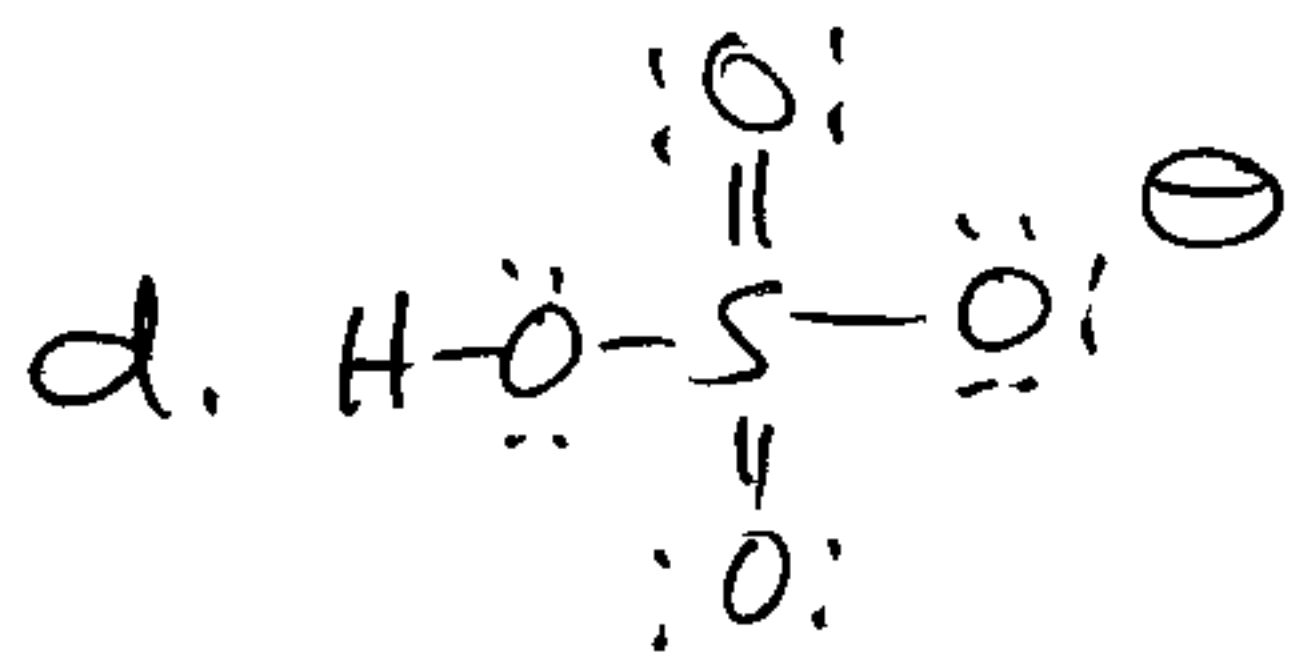
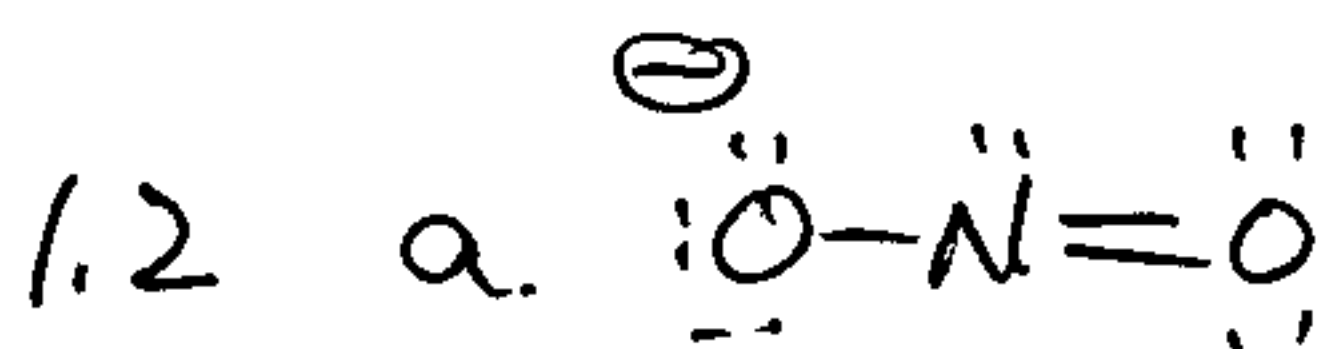
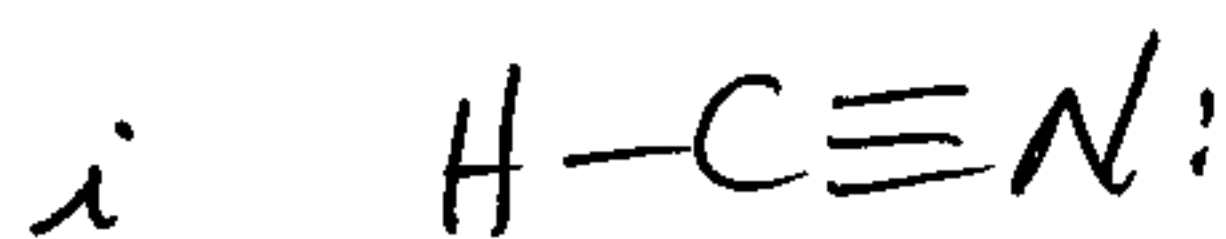
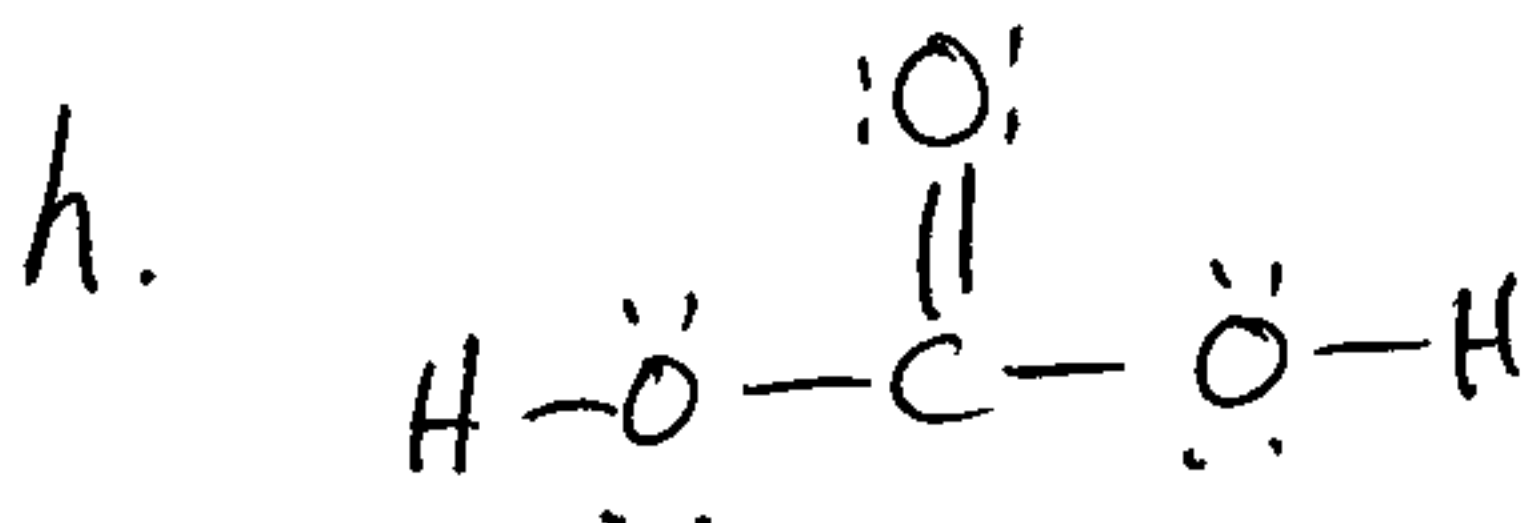
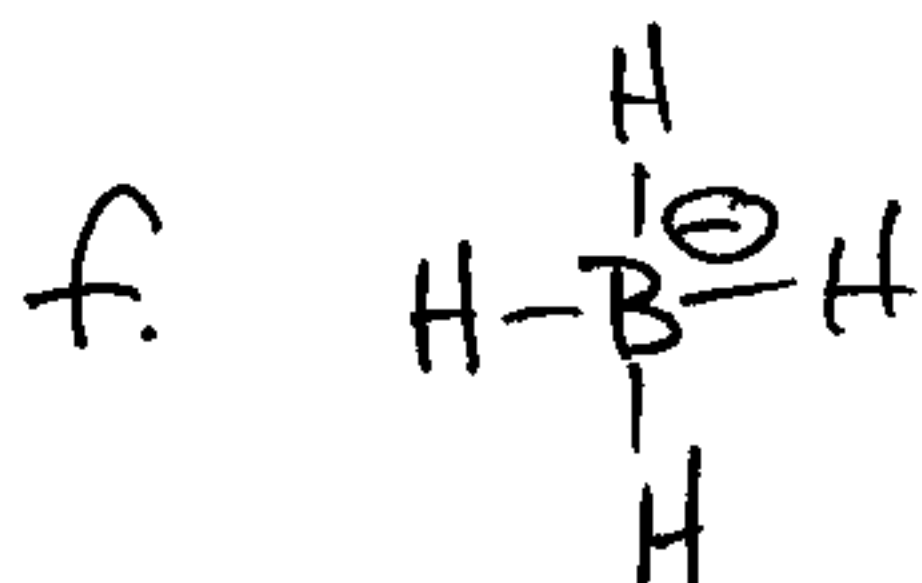
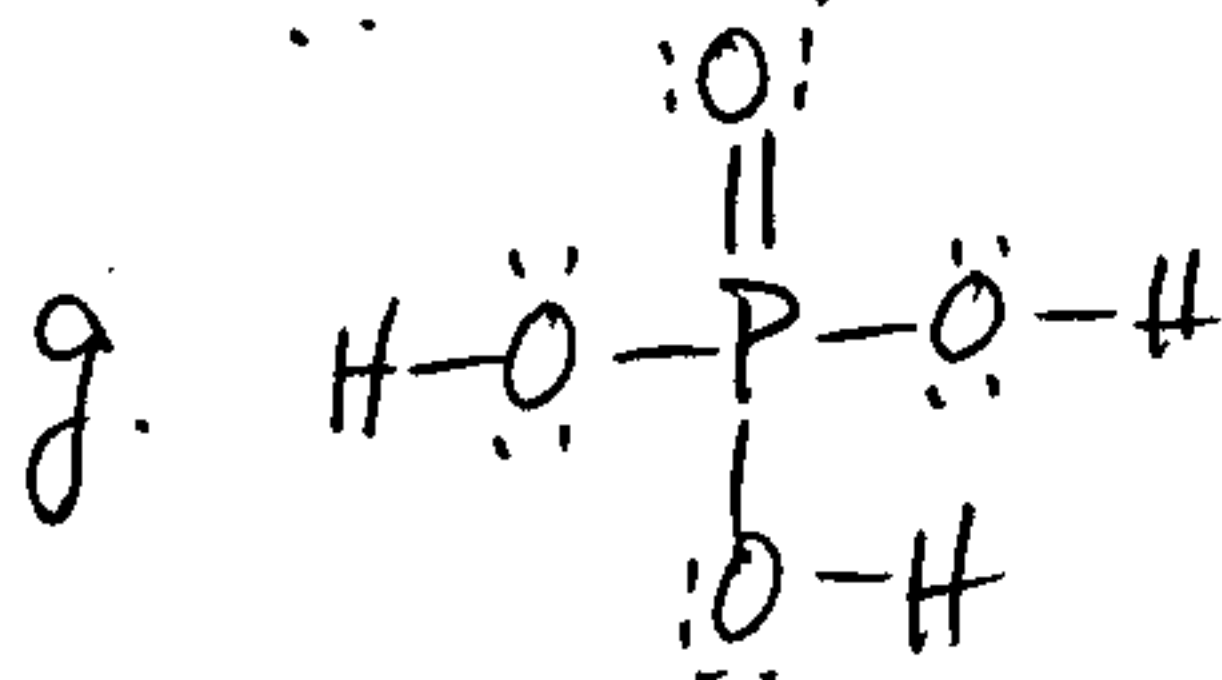
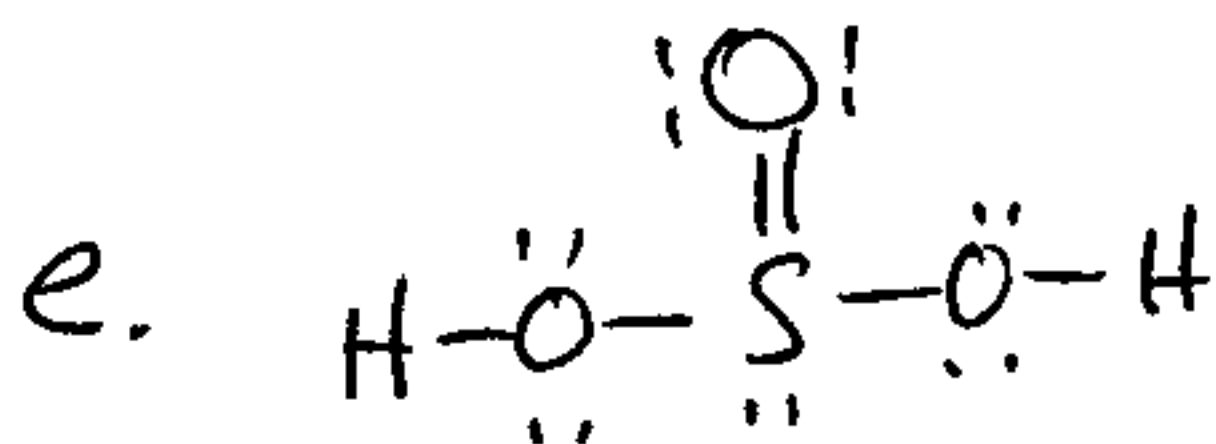
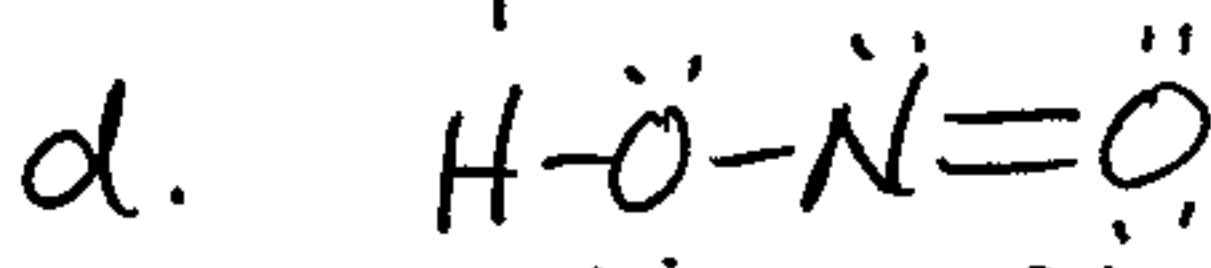
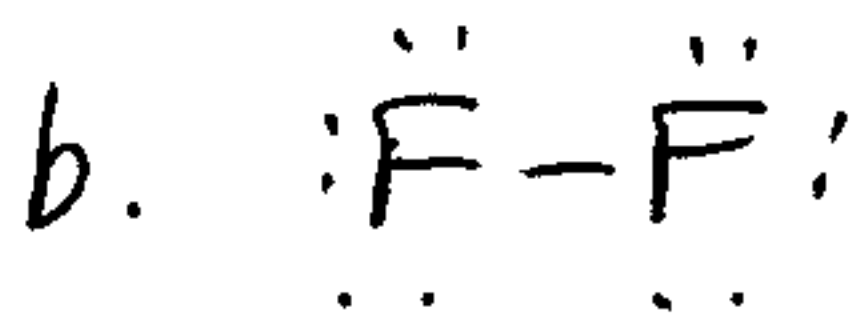
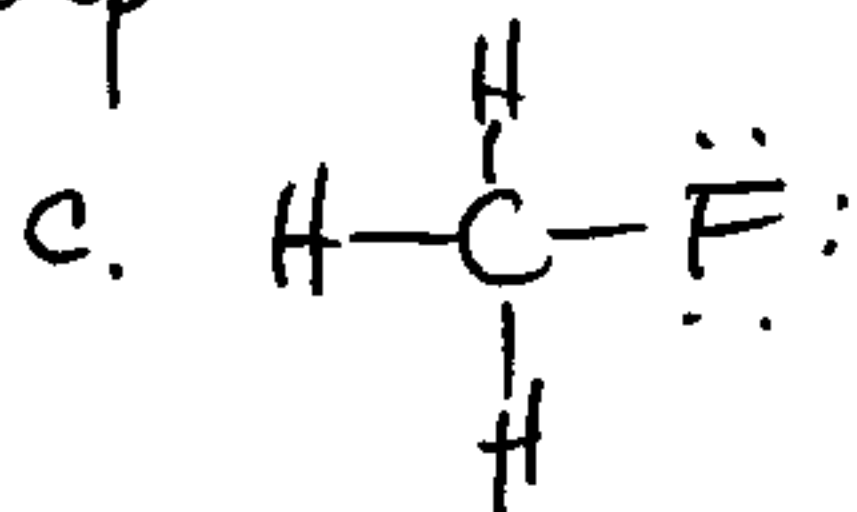
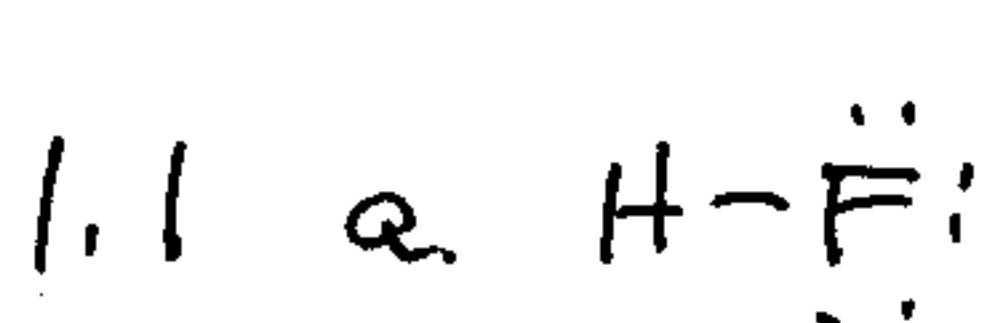
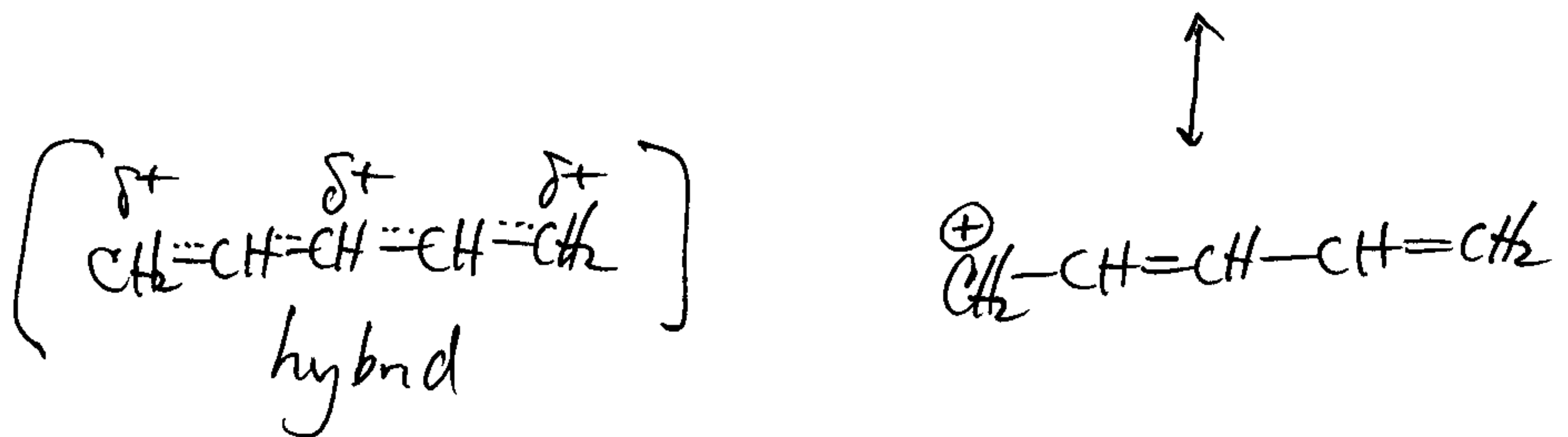
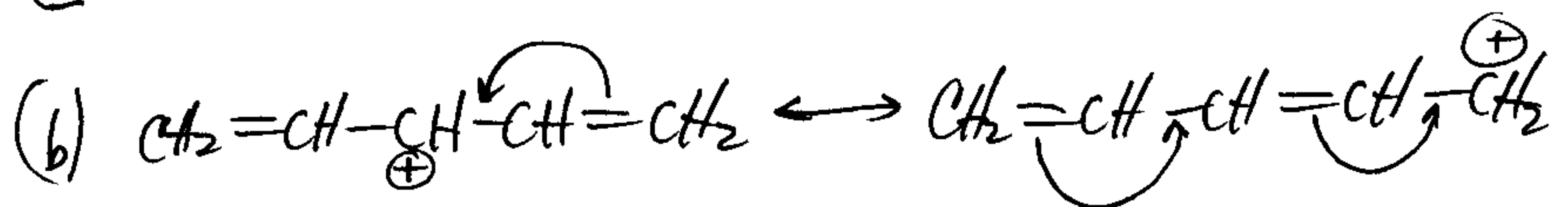
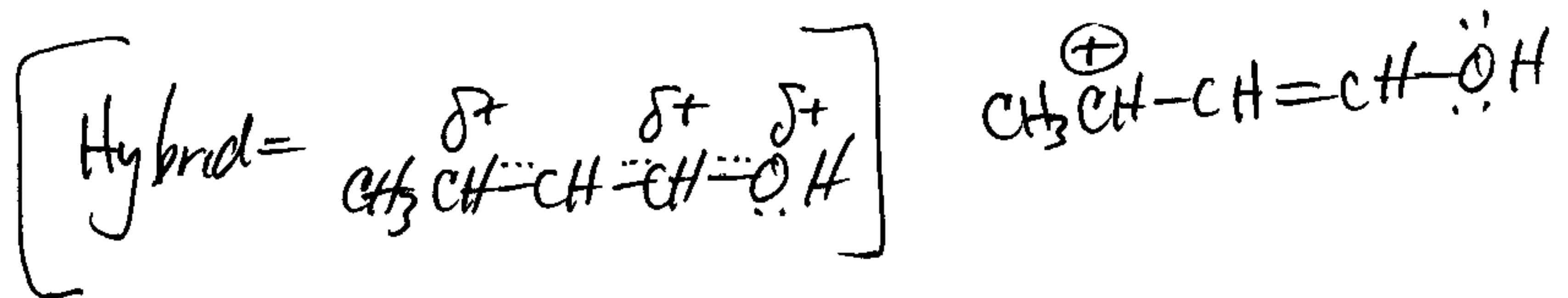
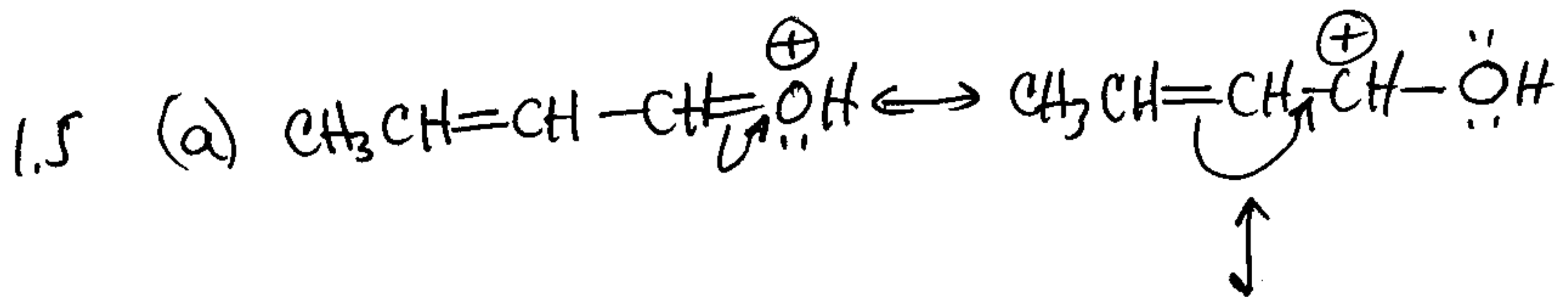
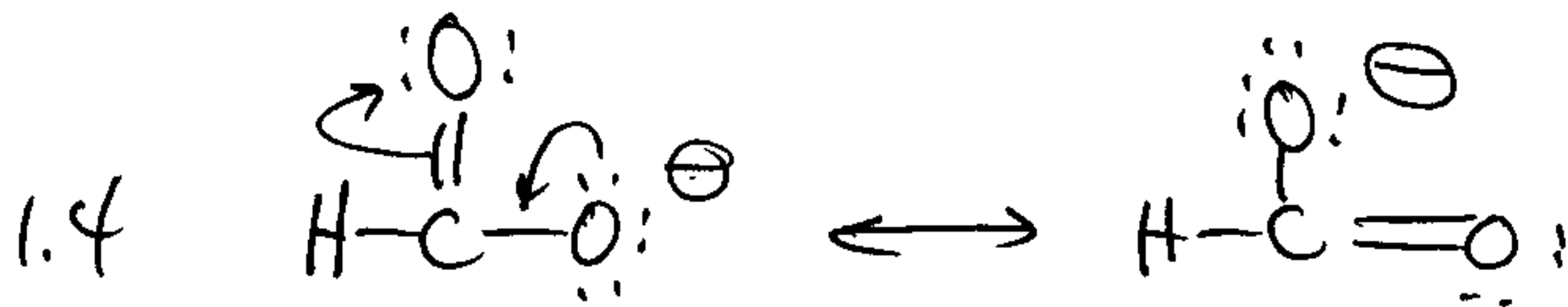
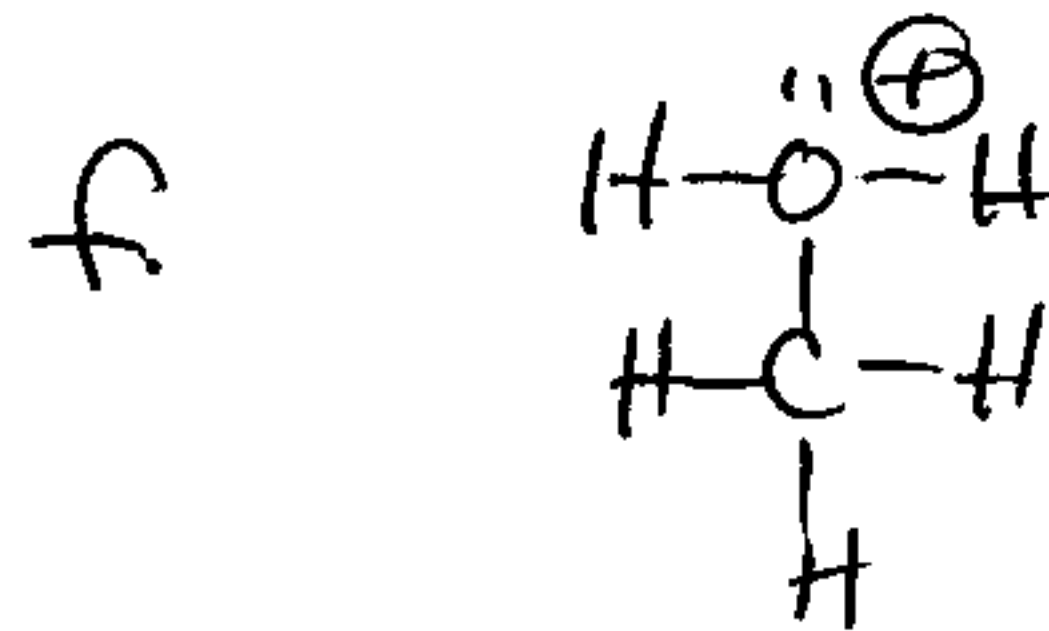
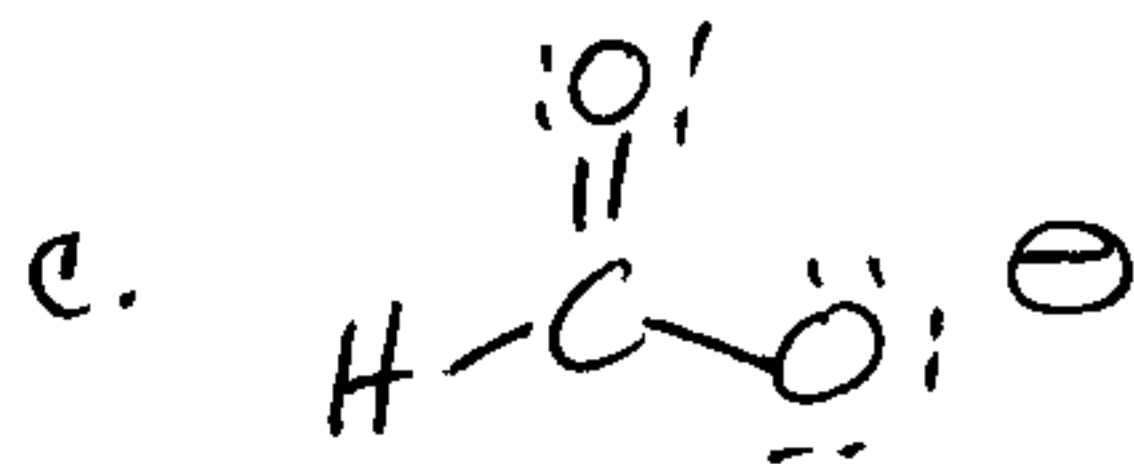
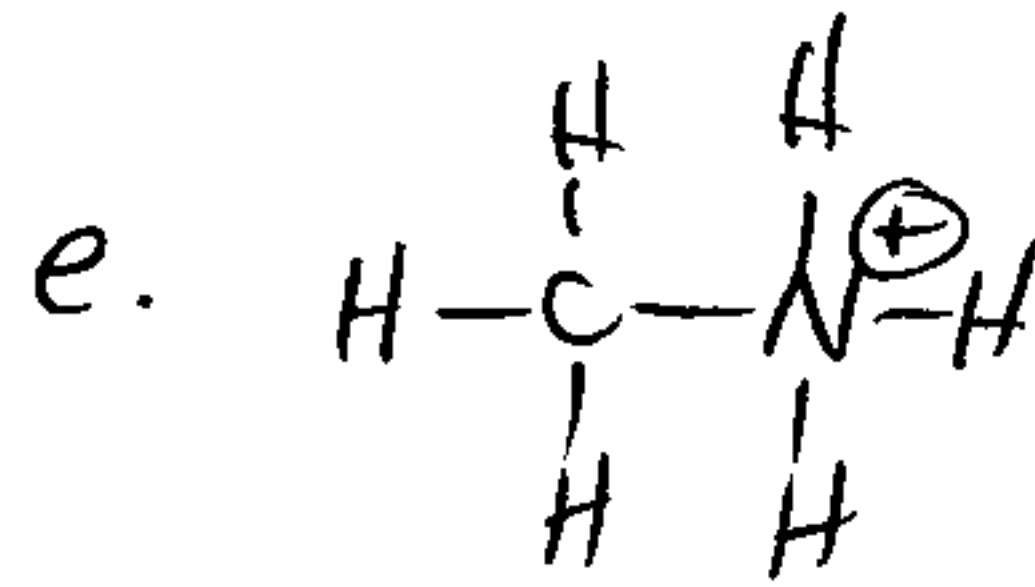
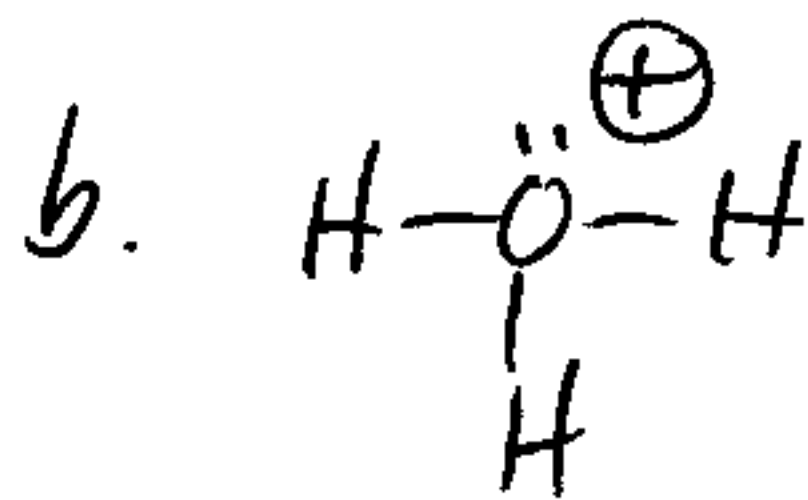
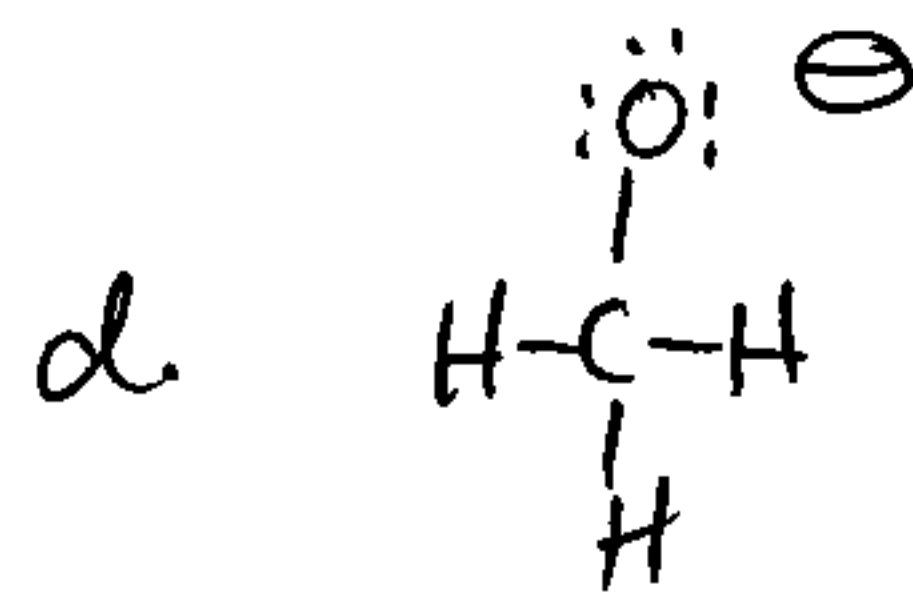
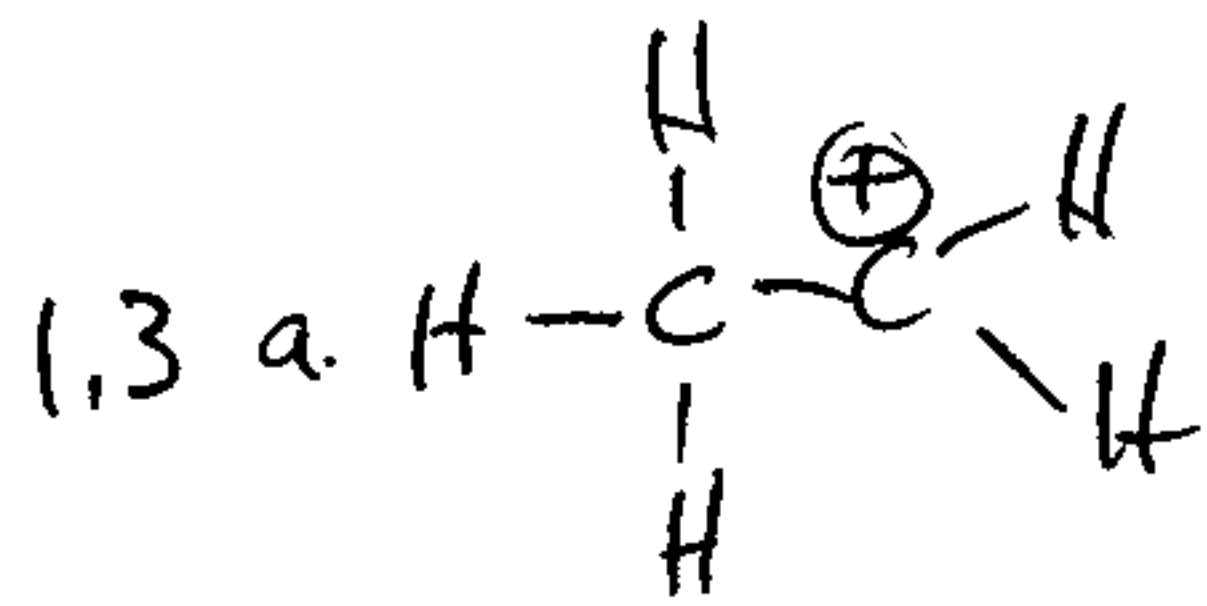
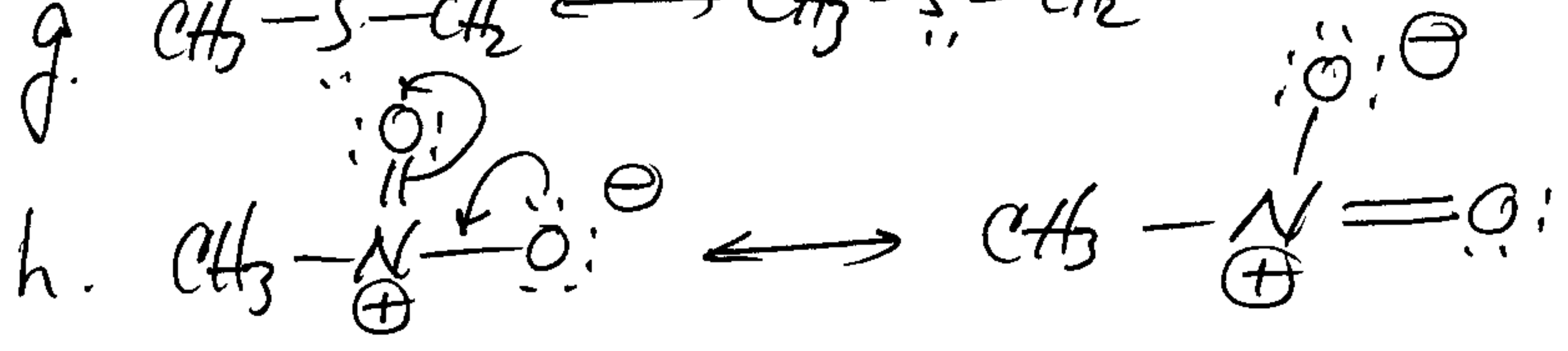
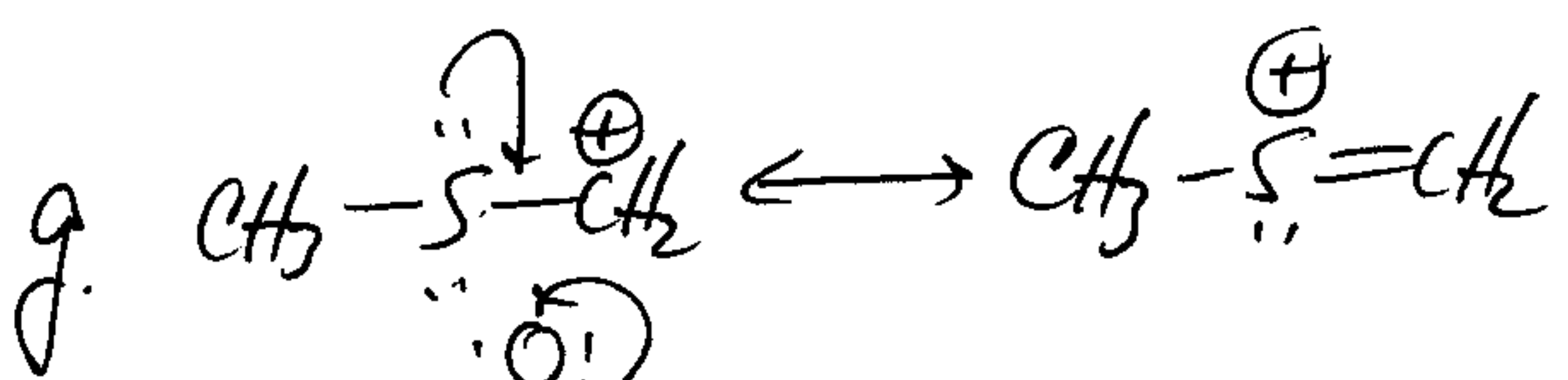
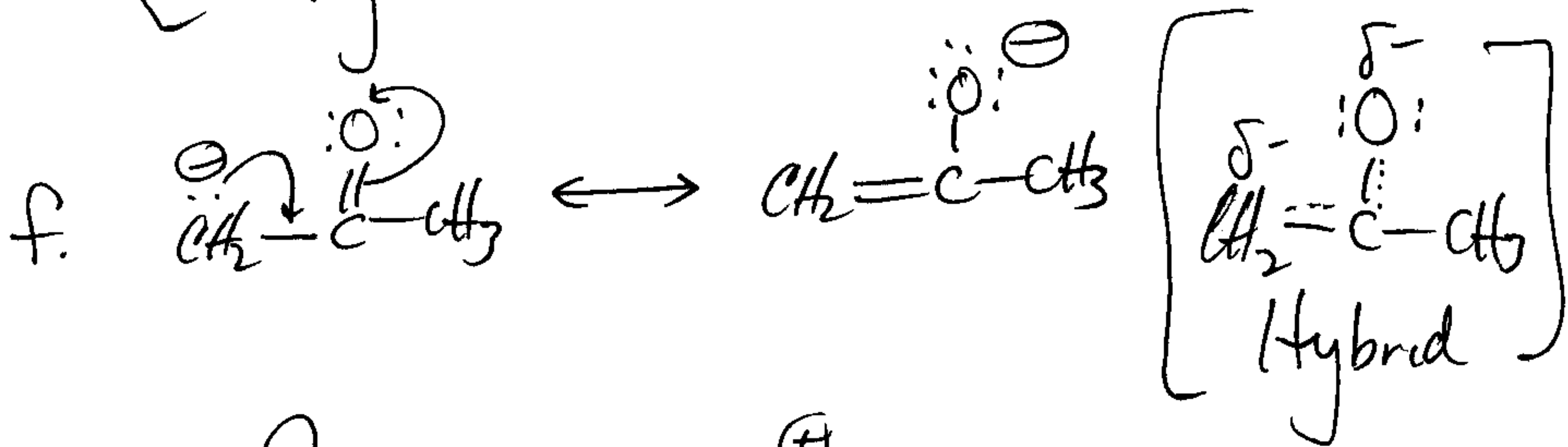
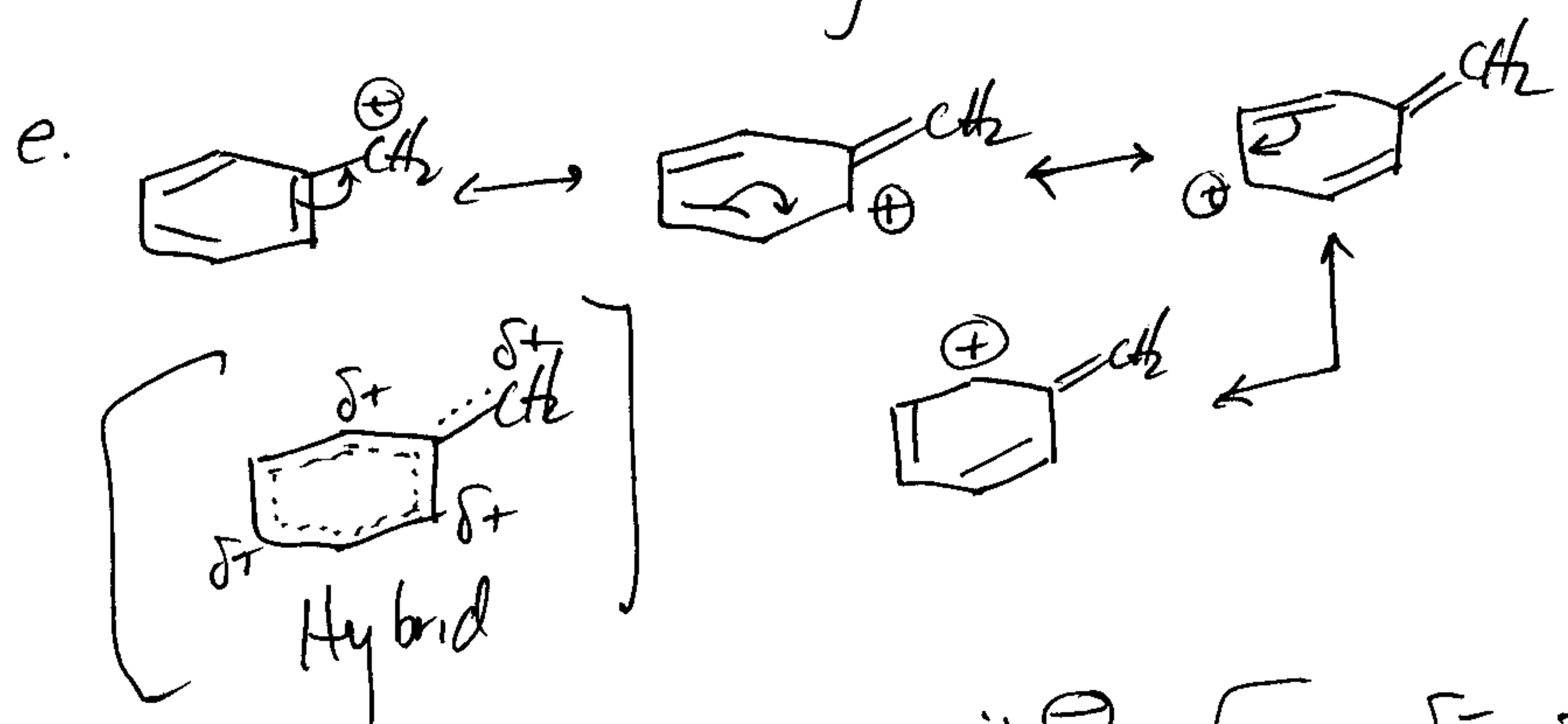
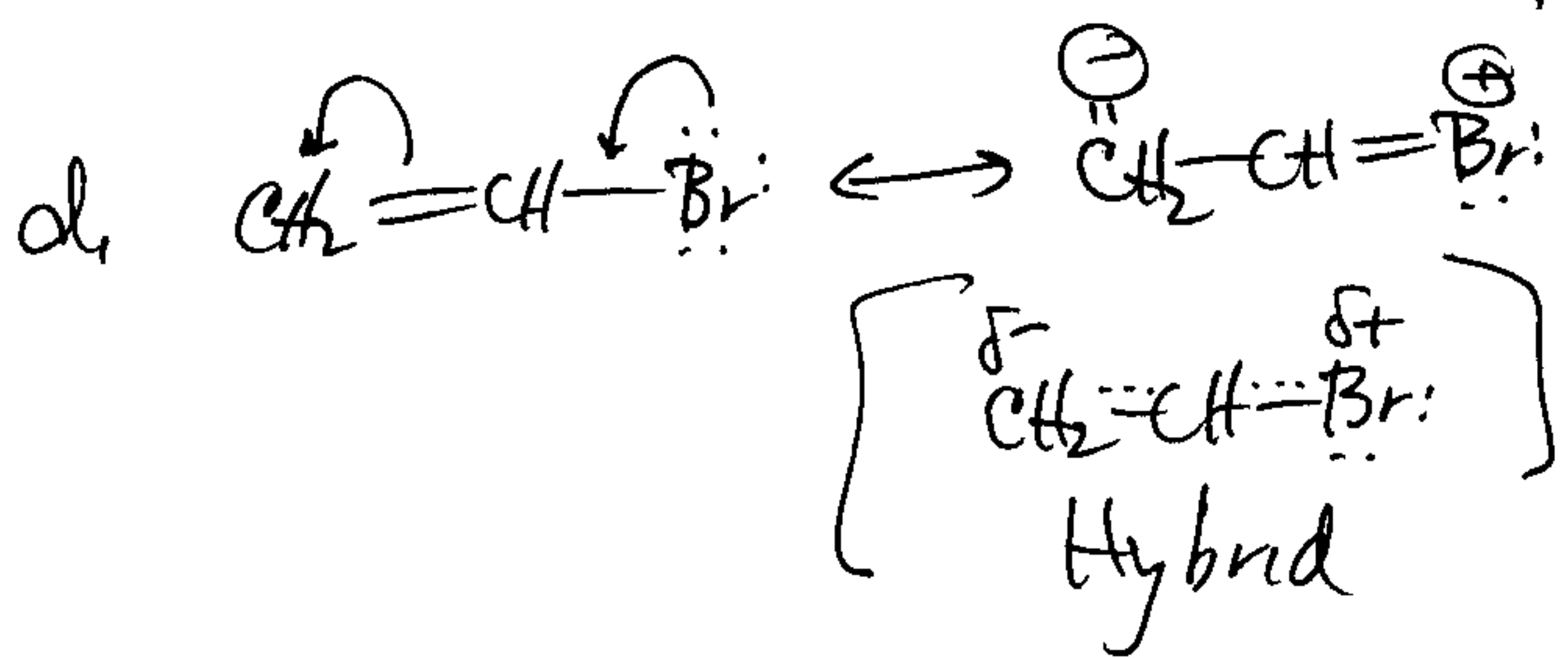
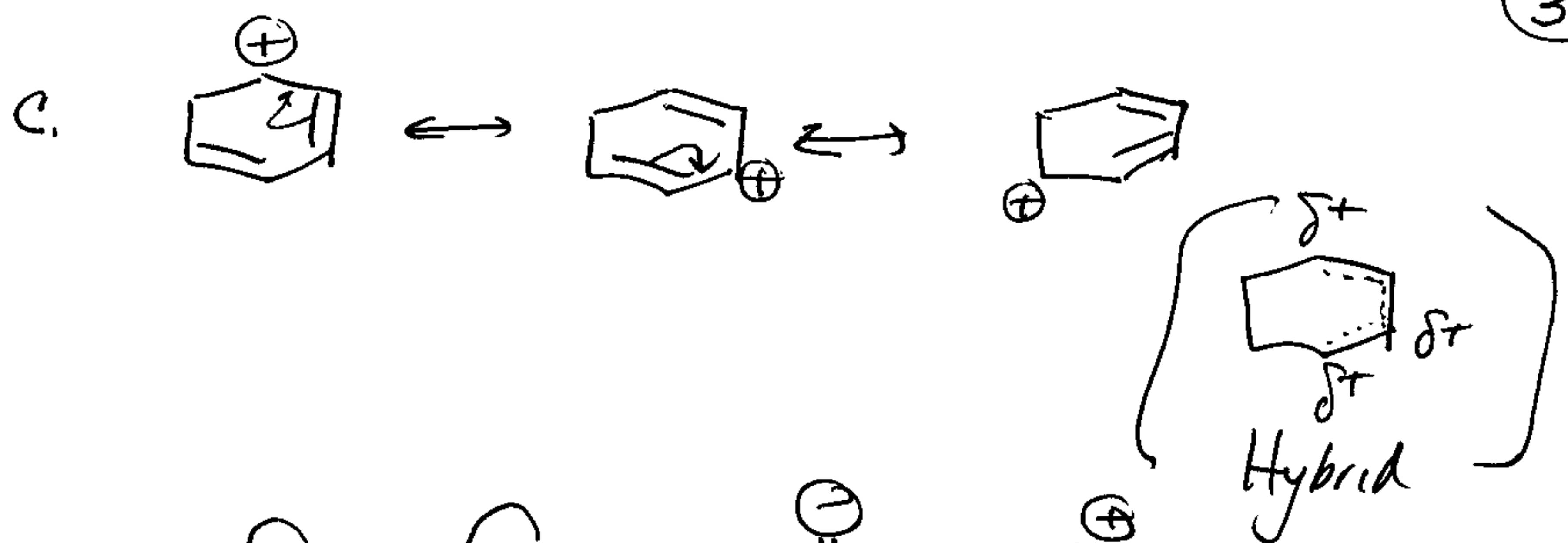


Answers to Exercises

Chapter 1



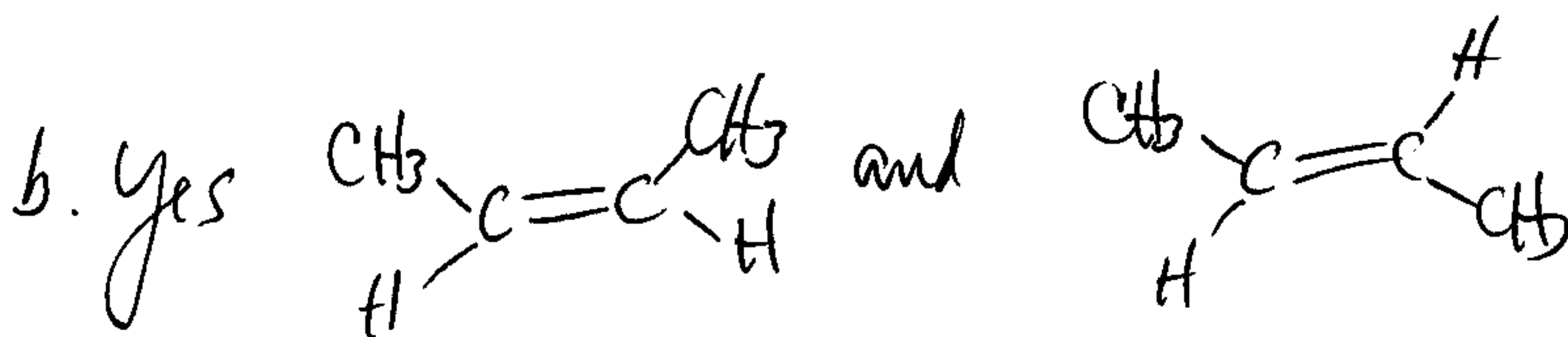




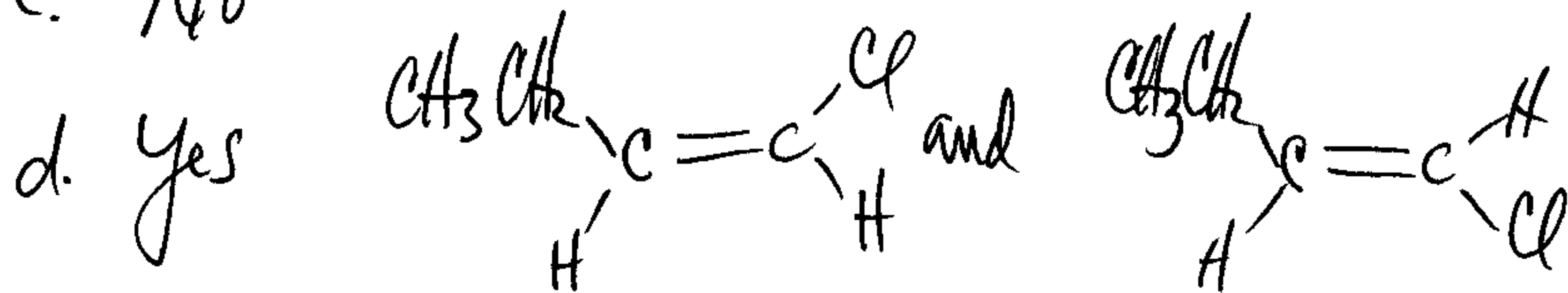
1.6 a. $\text{CH}_2=\overset{\oplus}{\text{N}}(\text{CH}_3)_2$ more important (all atoms have full octet)

b. $:\text{NH}_2-\text{C}\equiv\text{N}:$ more important (no charge separation)

1.8 a. No



c. No



1.9 a. tetrahedral

e. ^{trigonal} planar

b. linear

f. tetrahedral

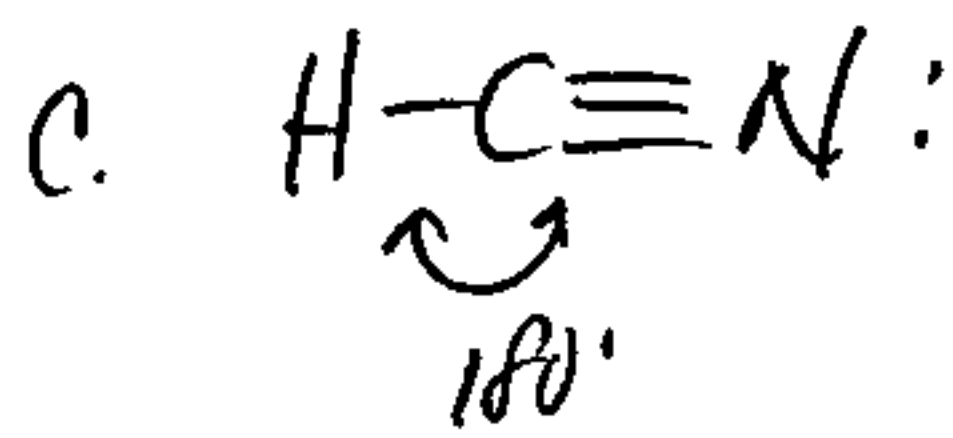
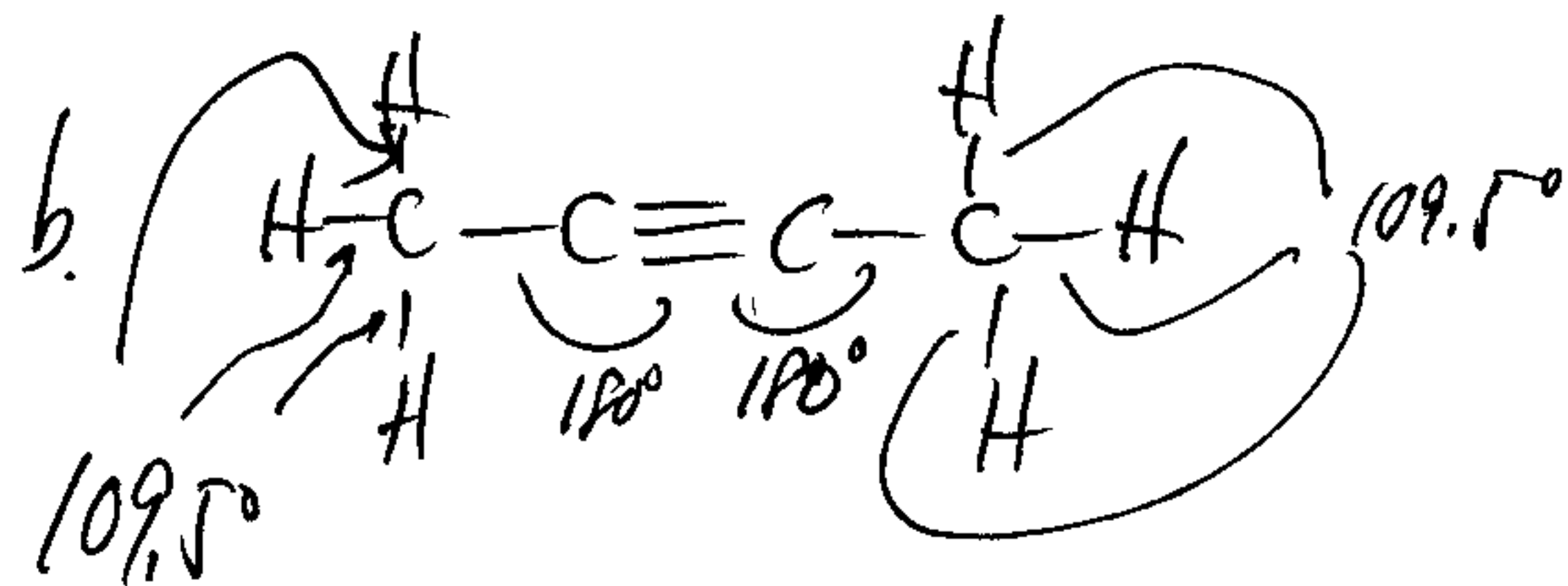
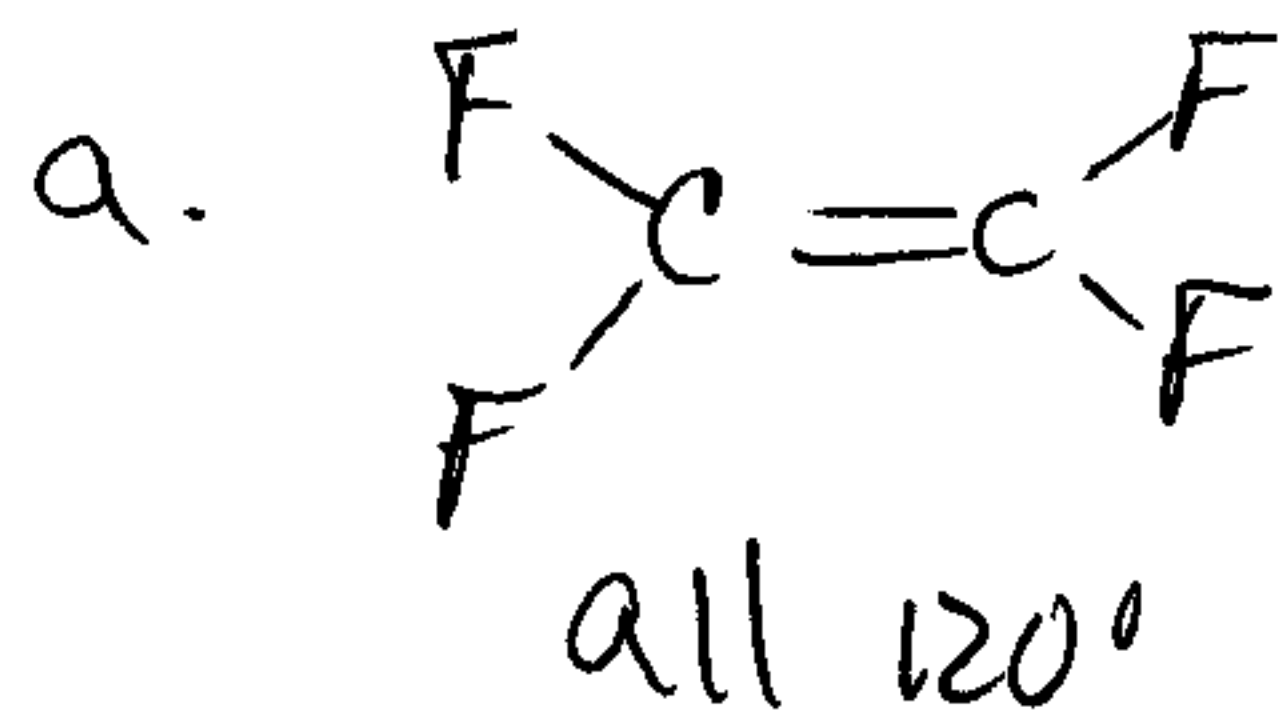
c. tetrahedral

g. tetrahedral

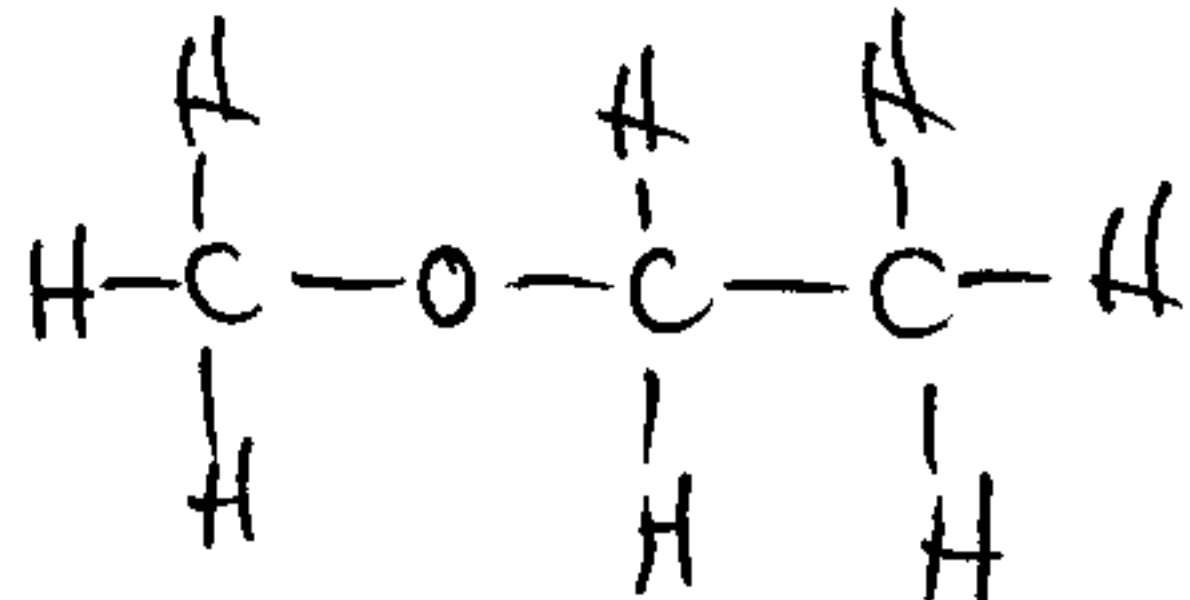
d. bent

h. pyramidal

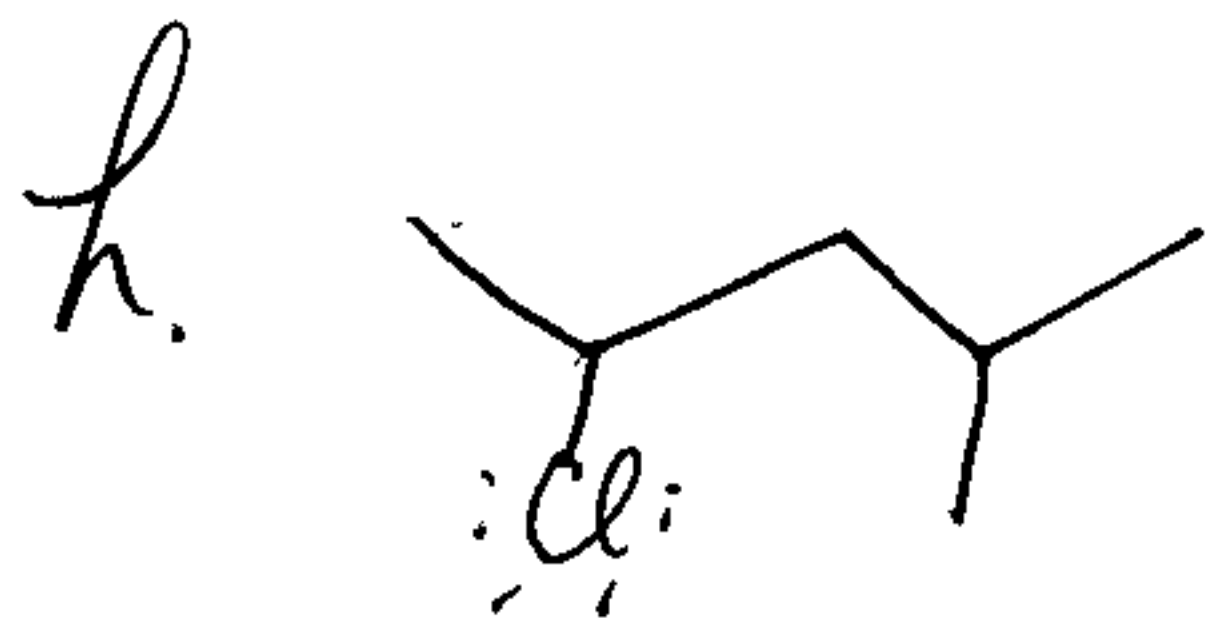
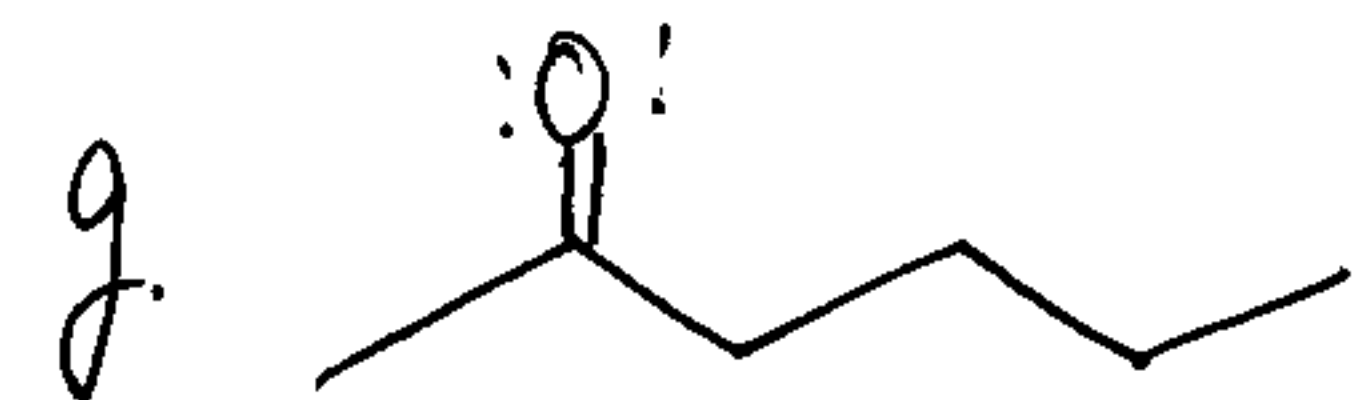
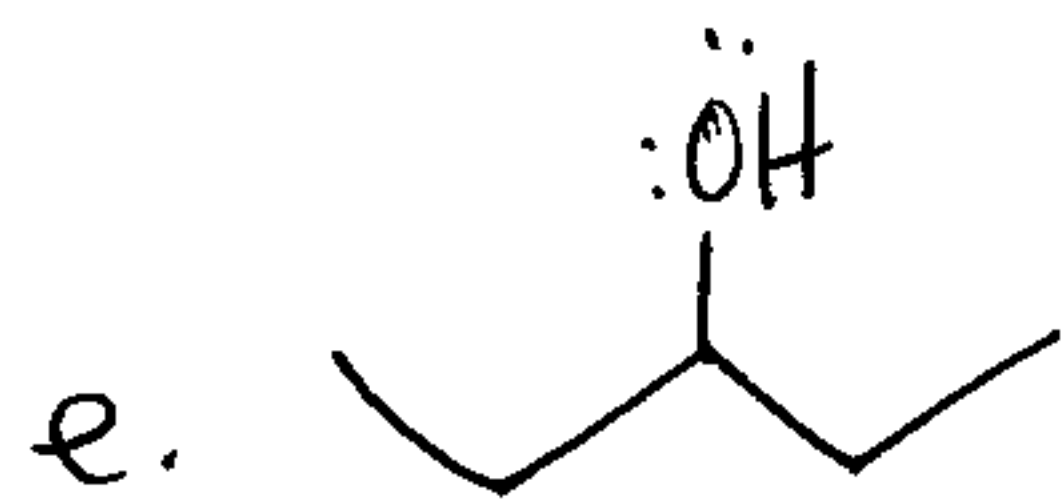
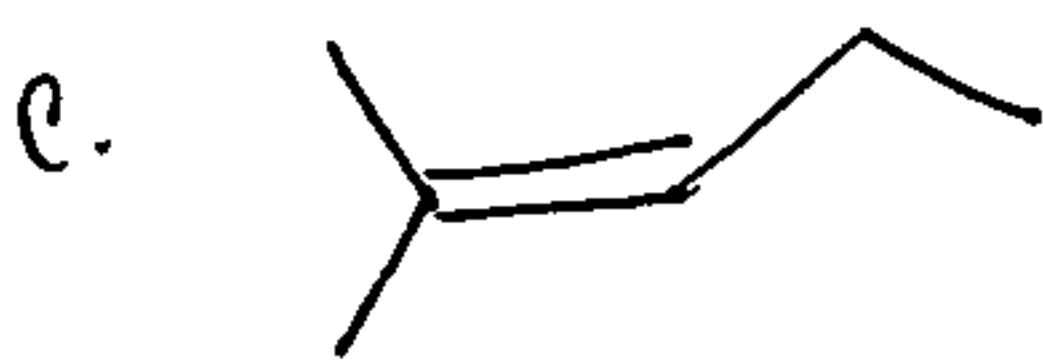
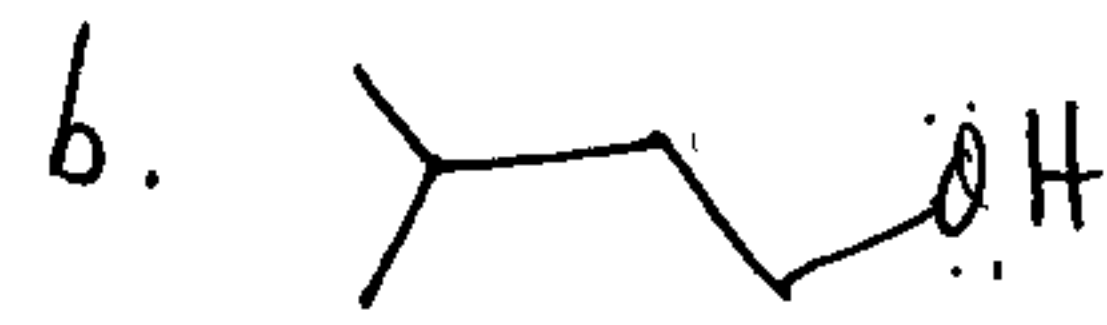
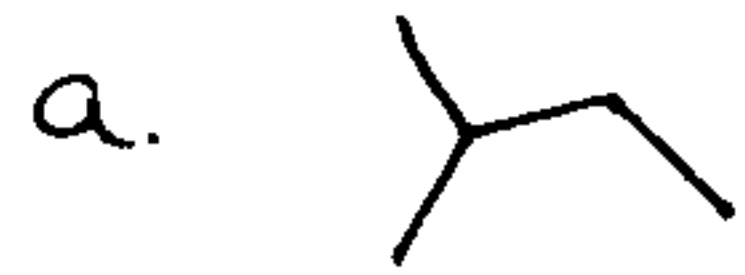
1.10



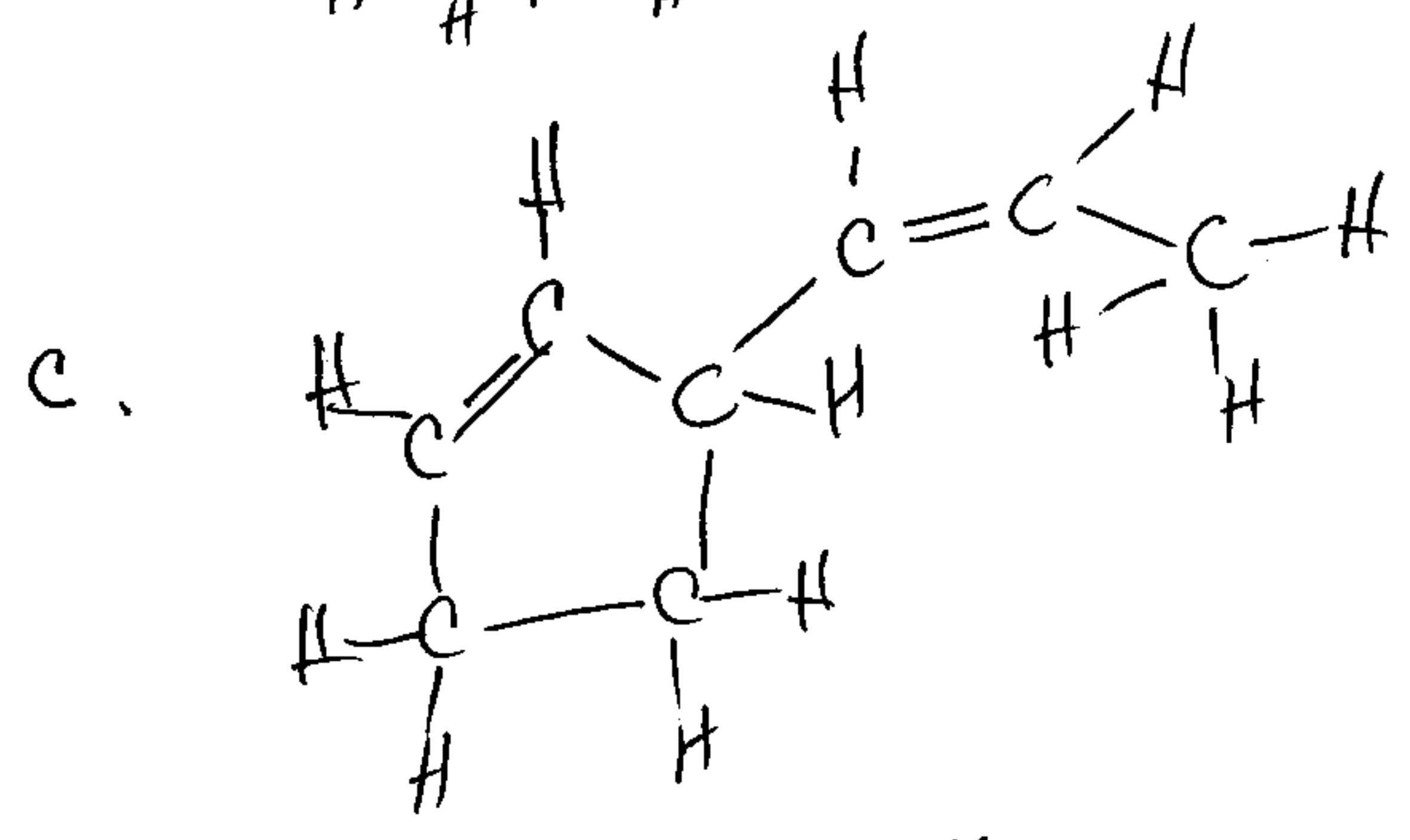
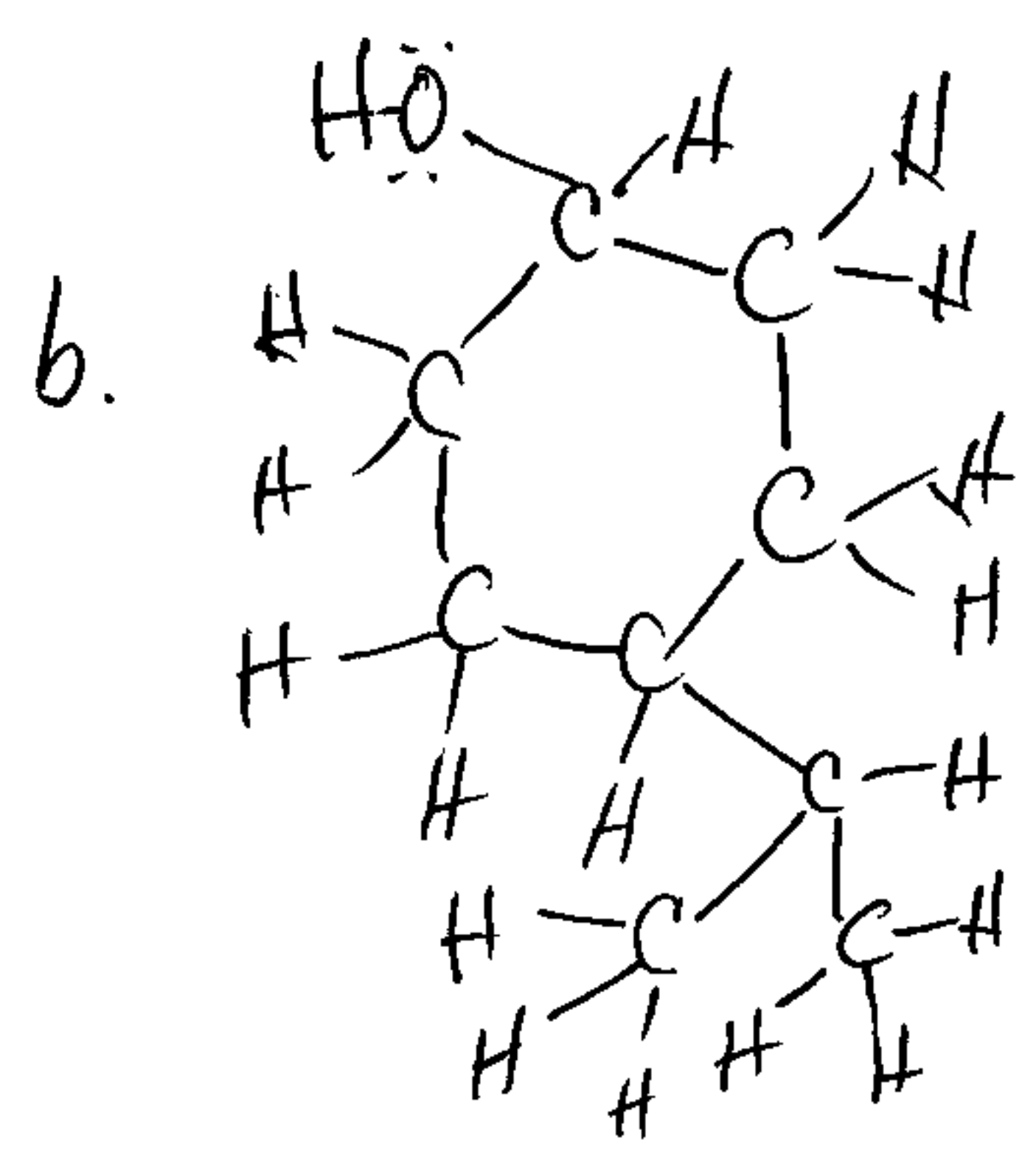
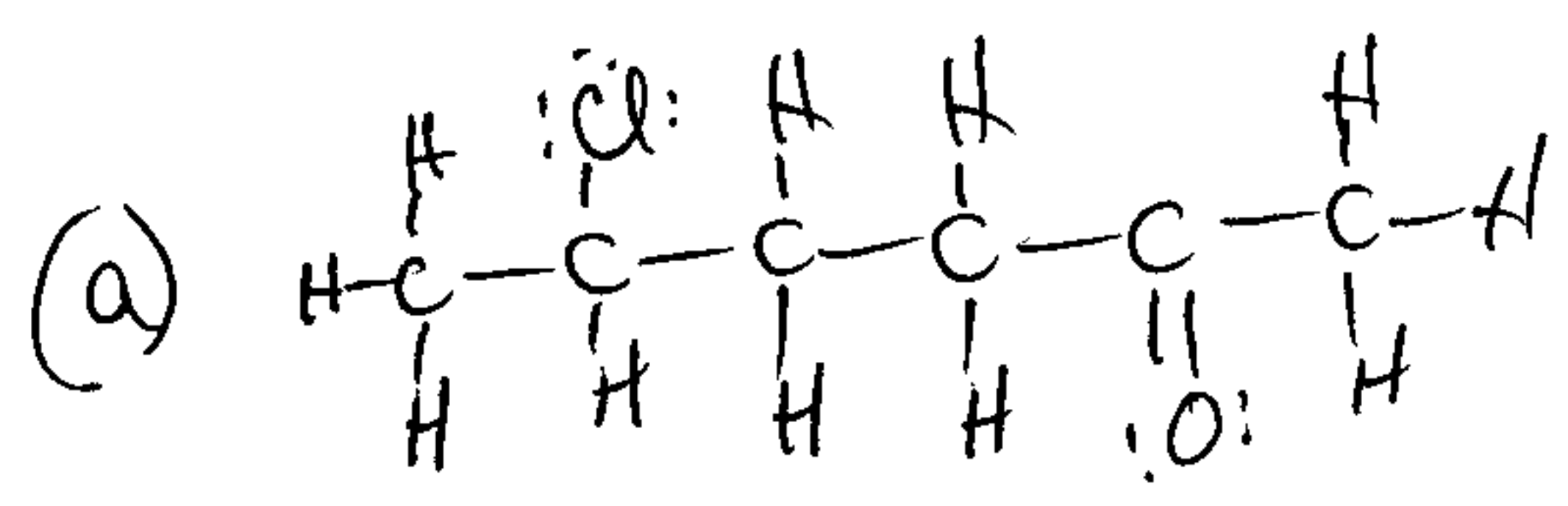
1.11



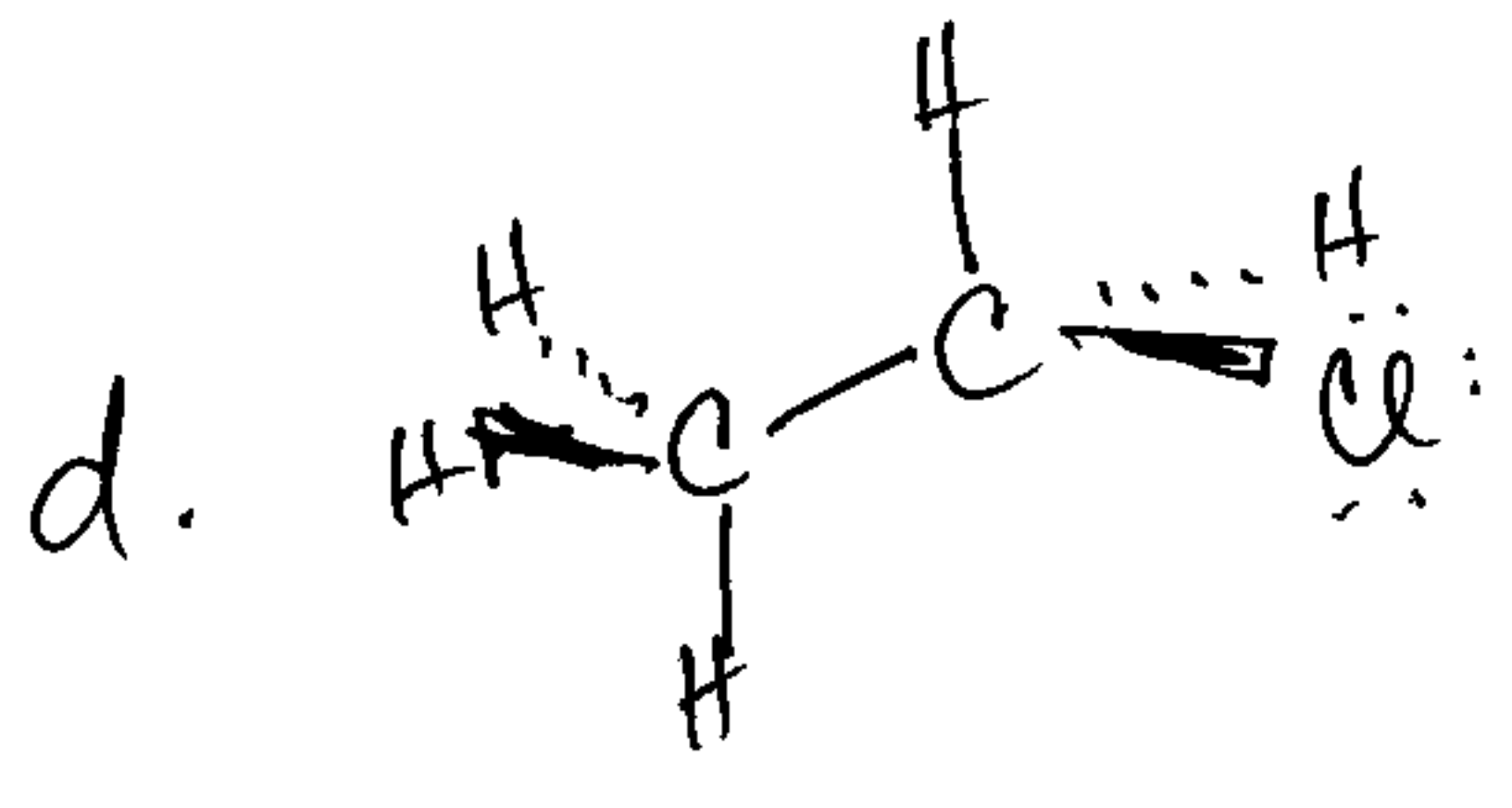
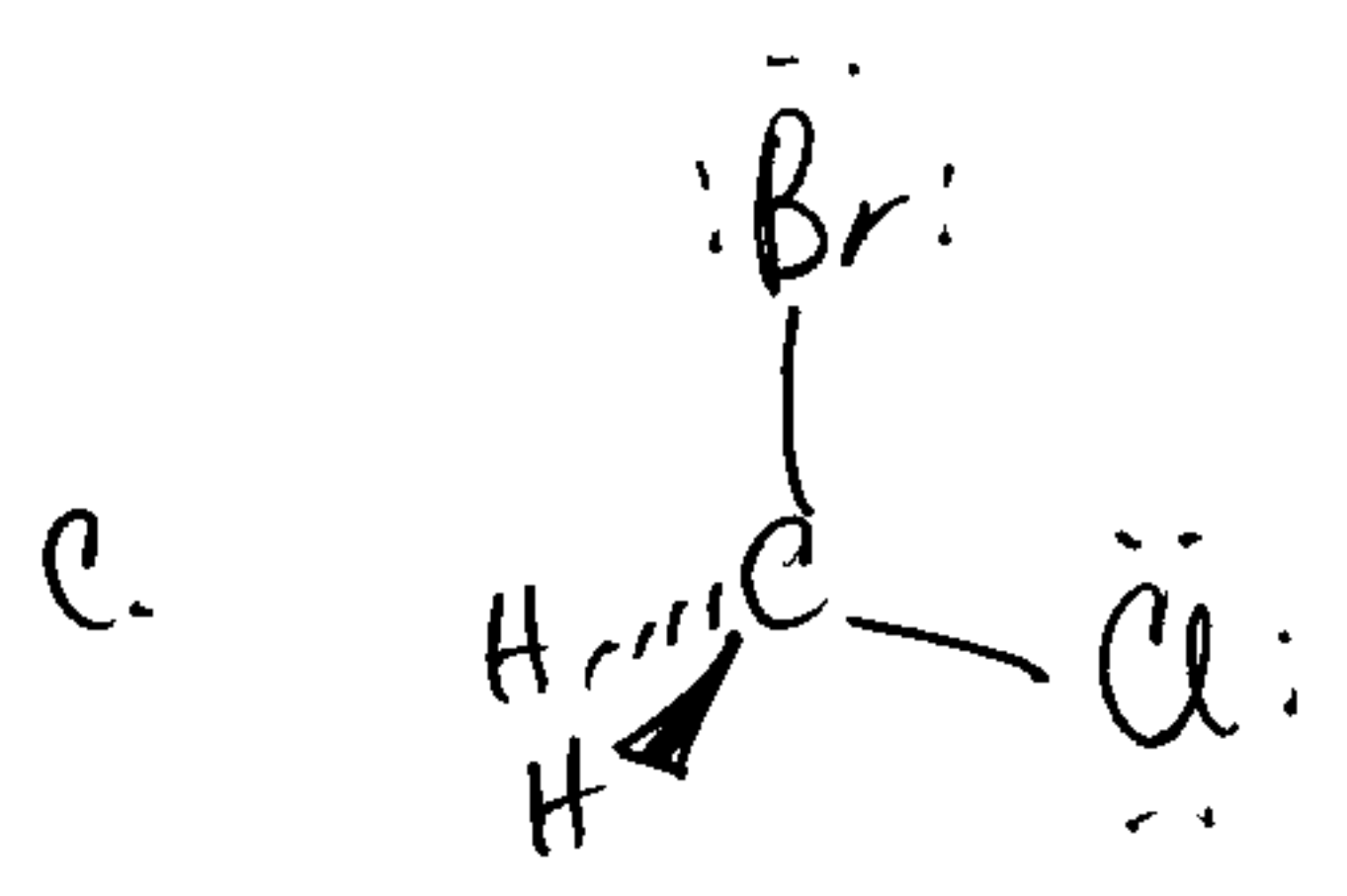
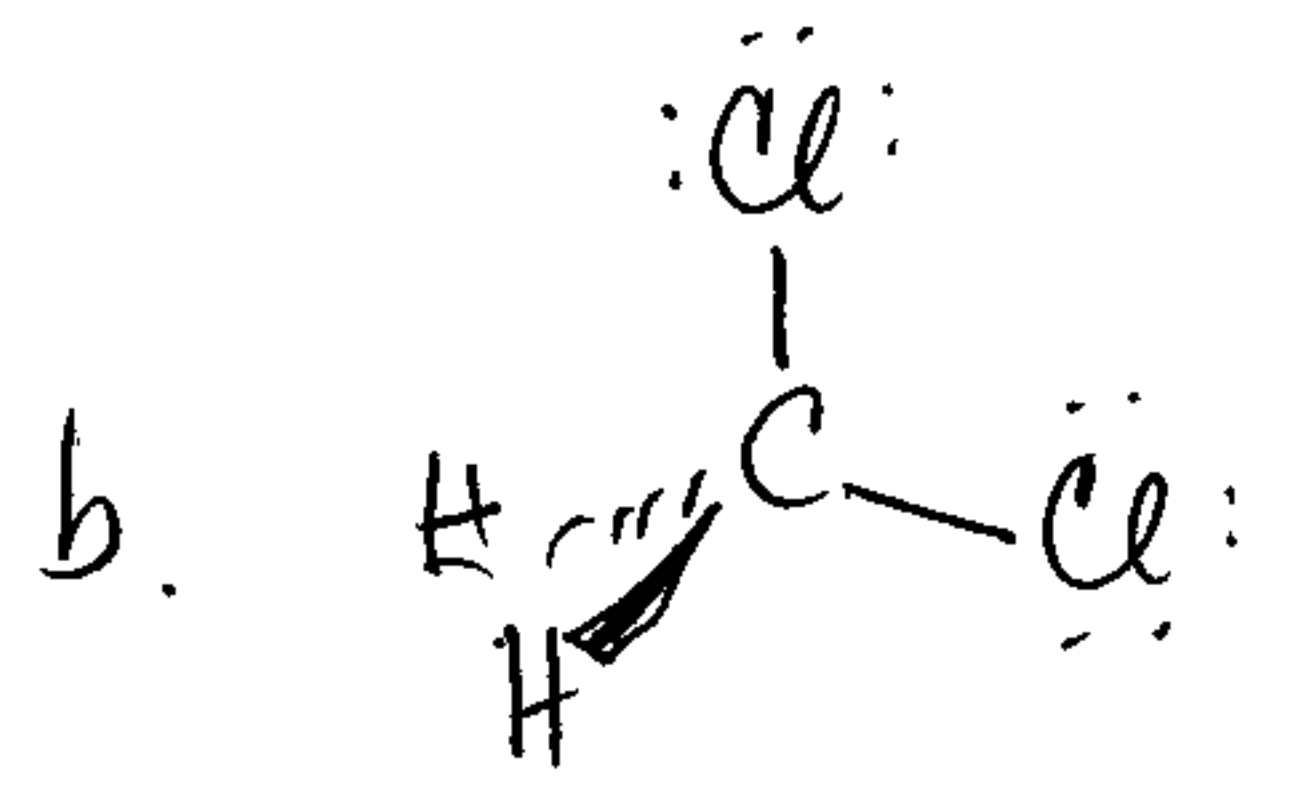
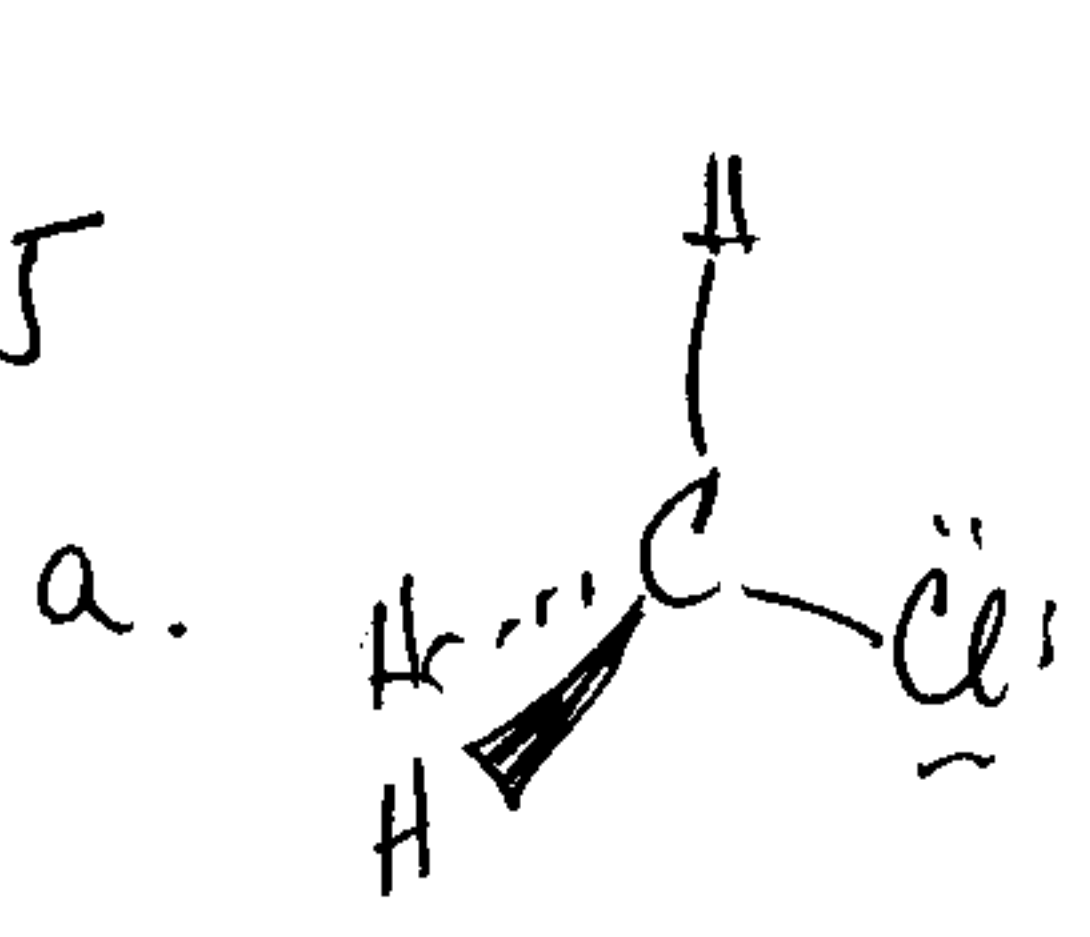
1.12



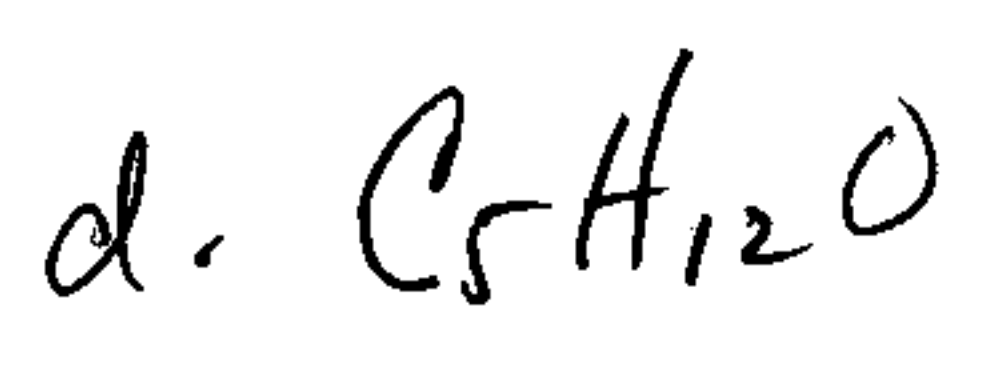
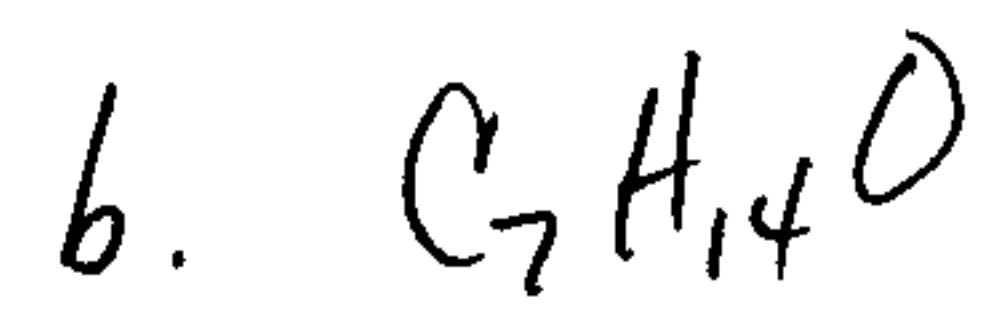
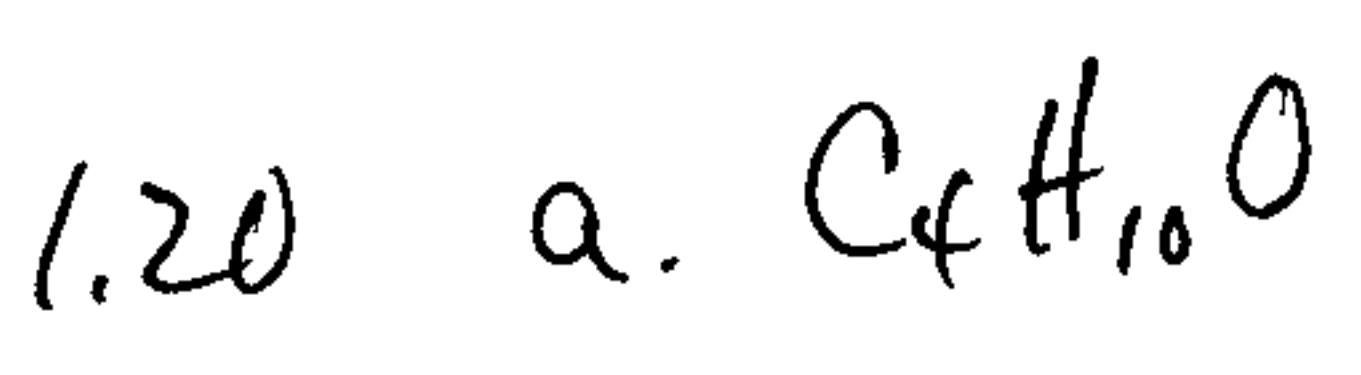
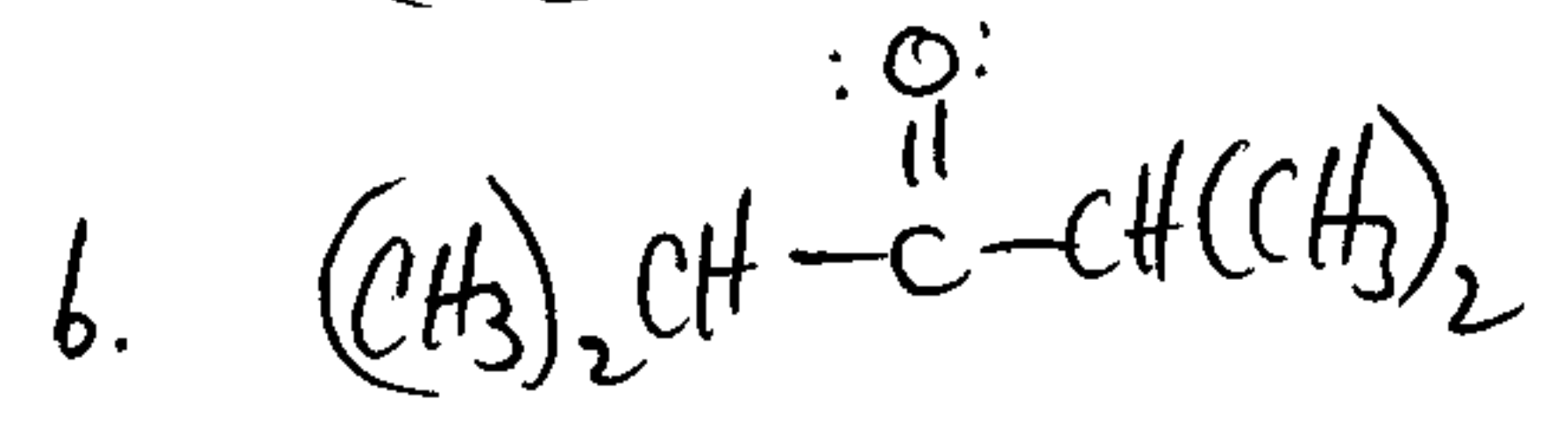
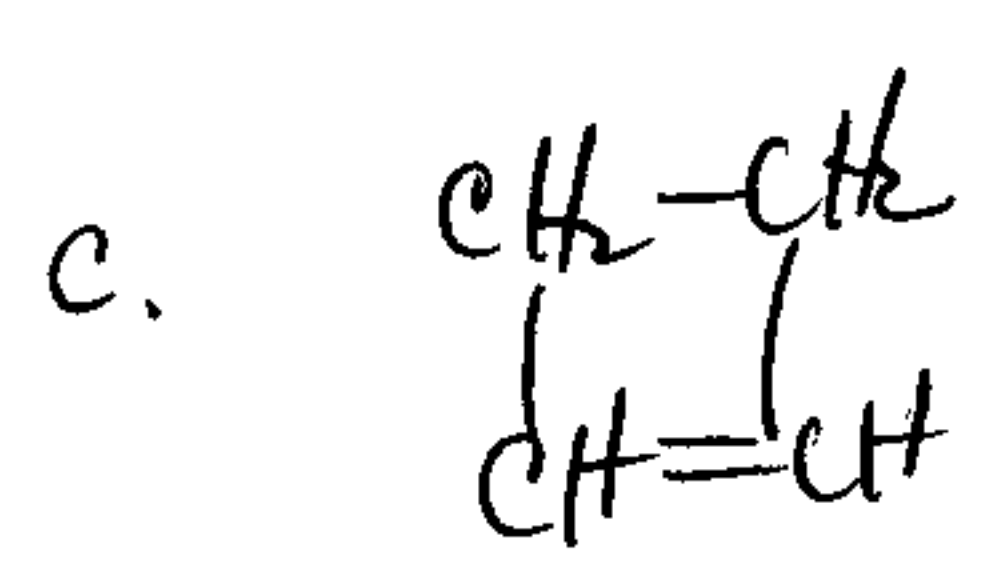
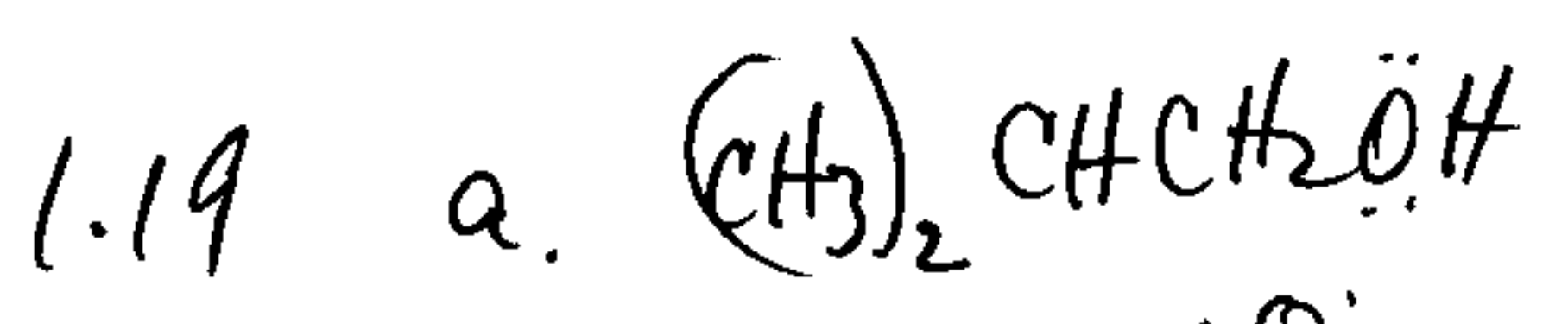
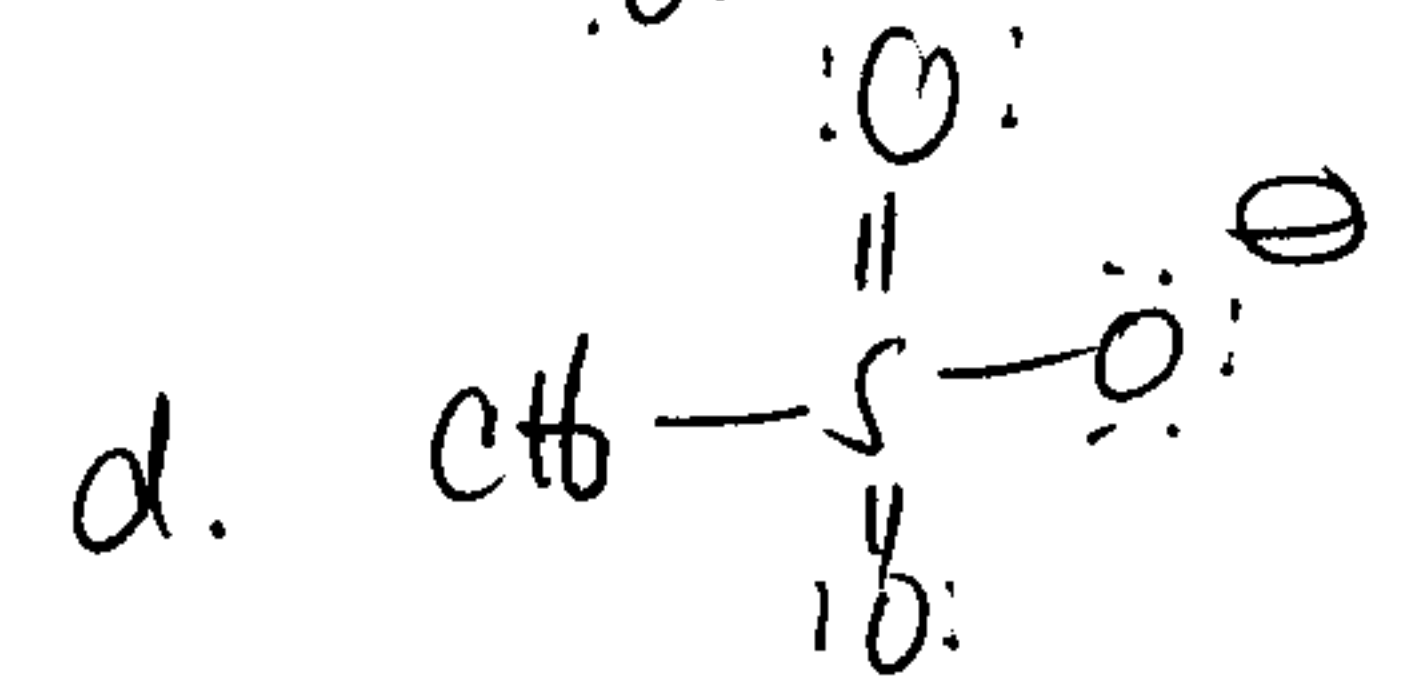
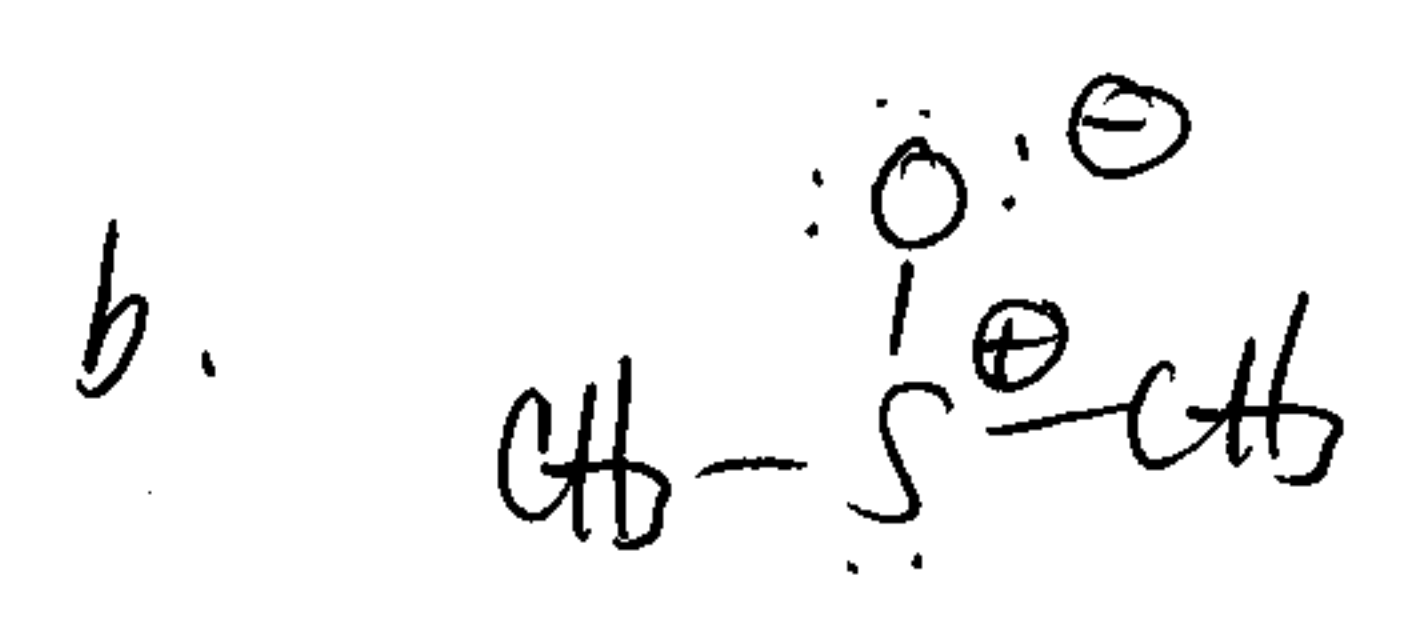
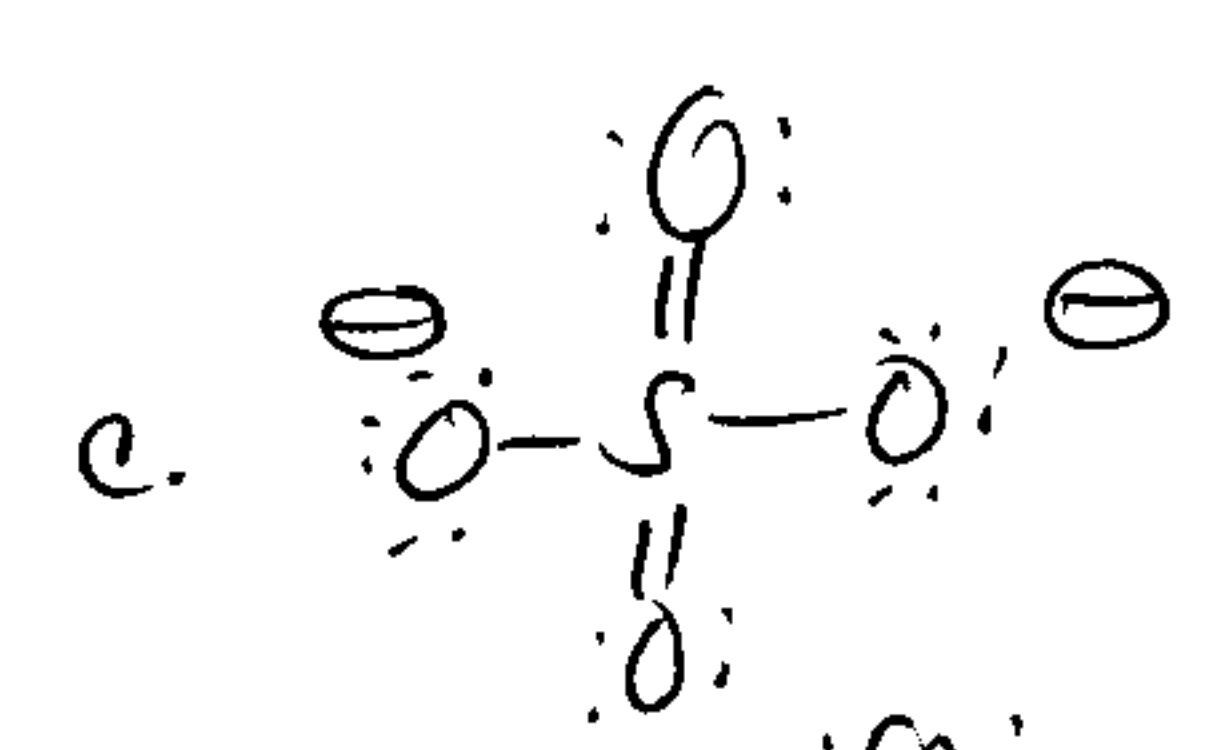
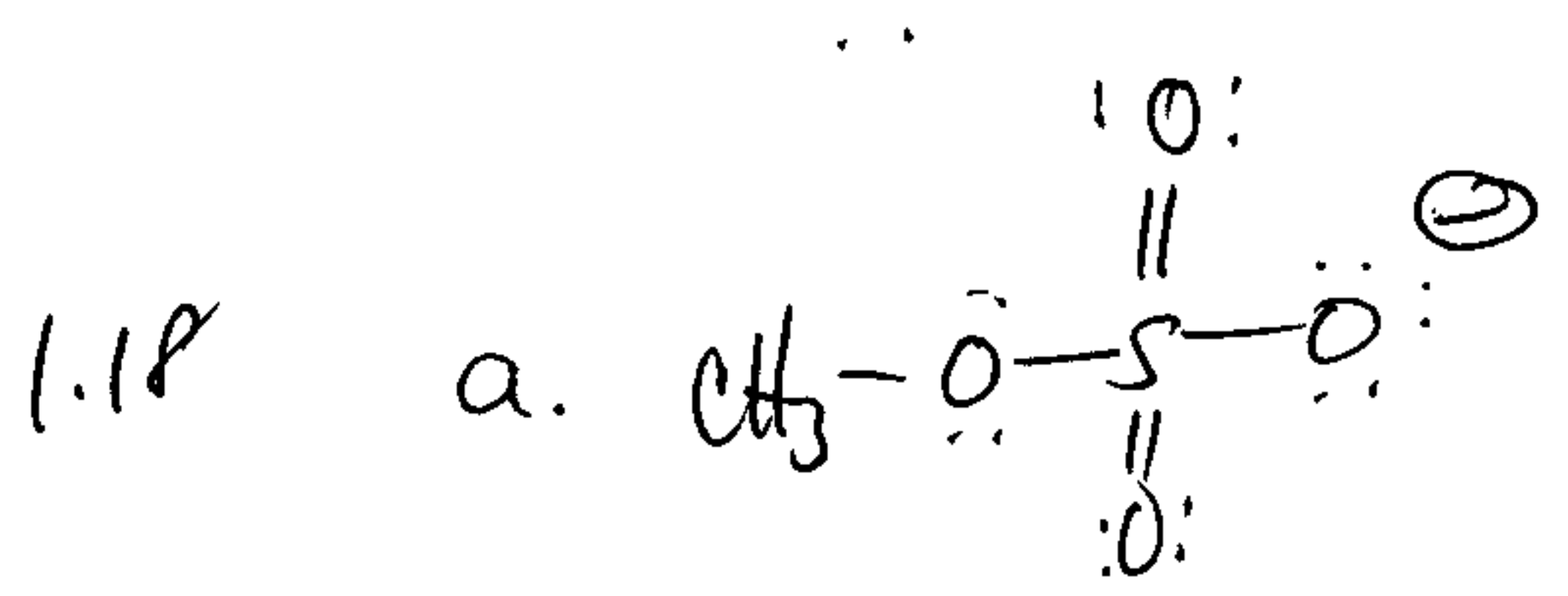
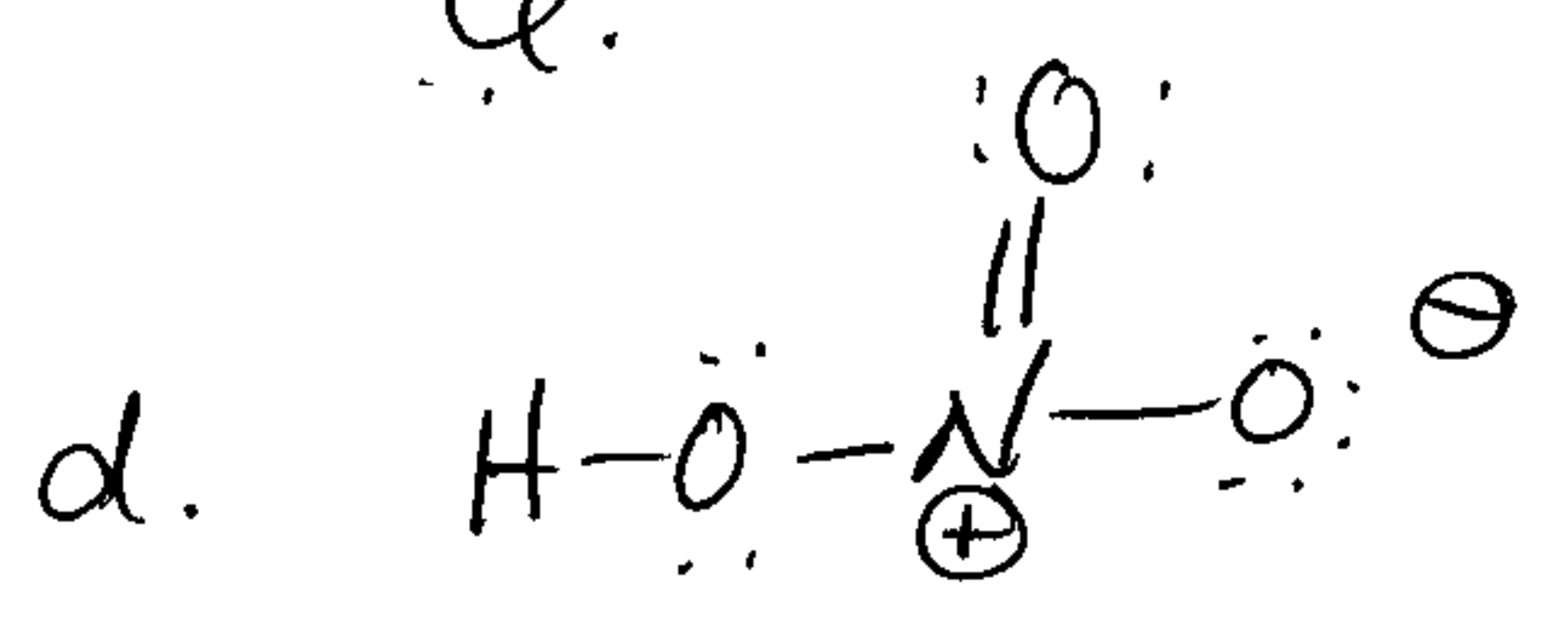
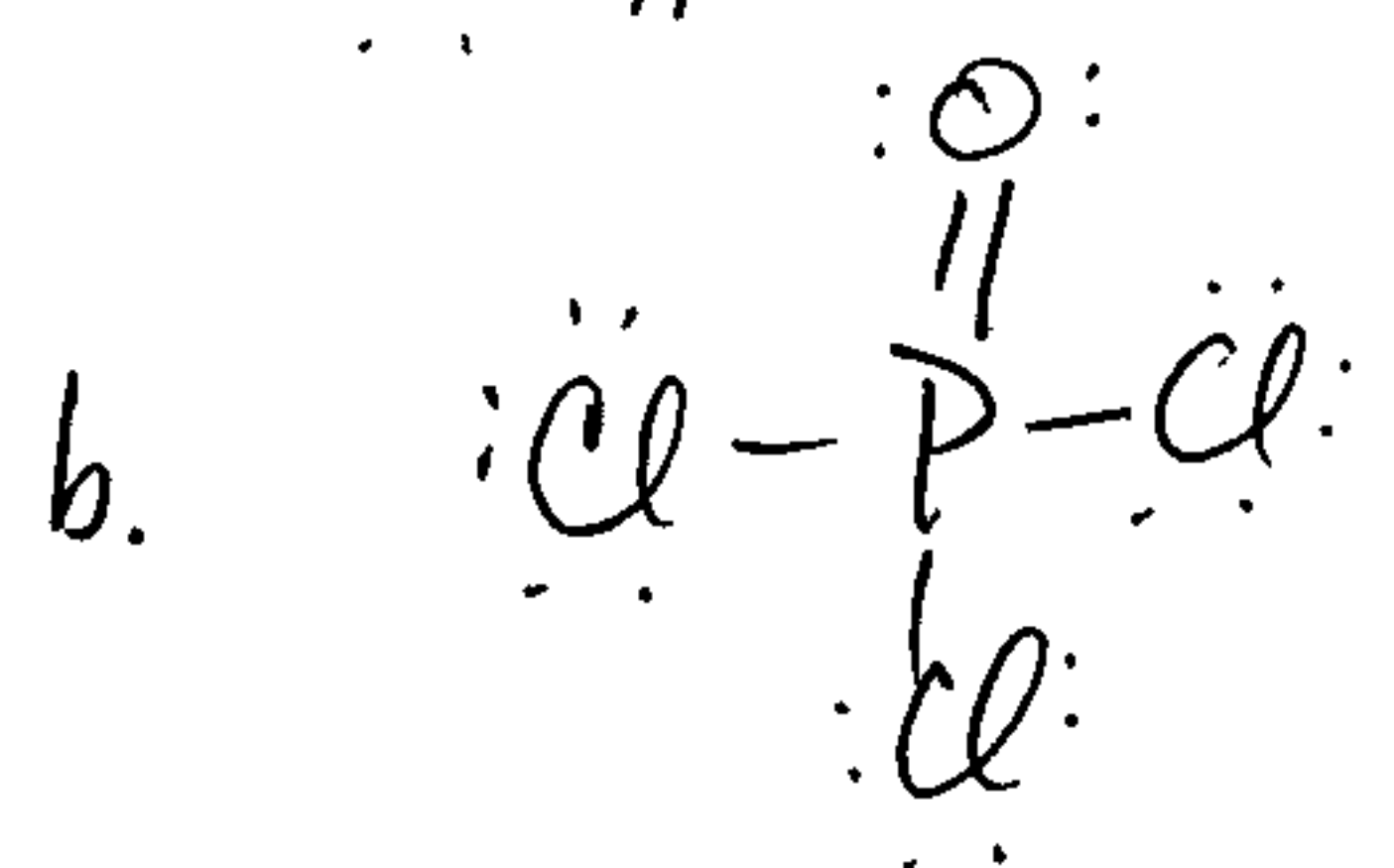
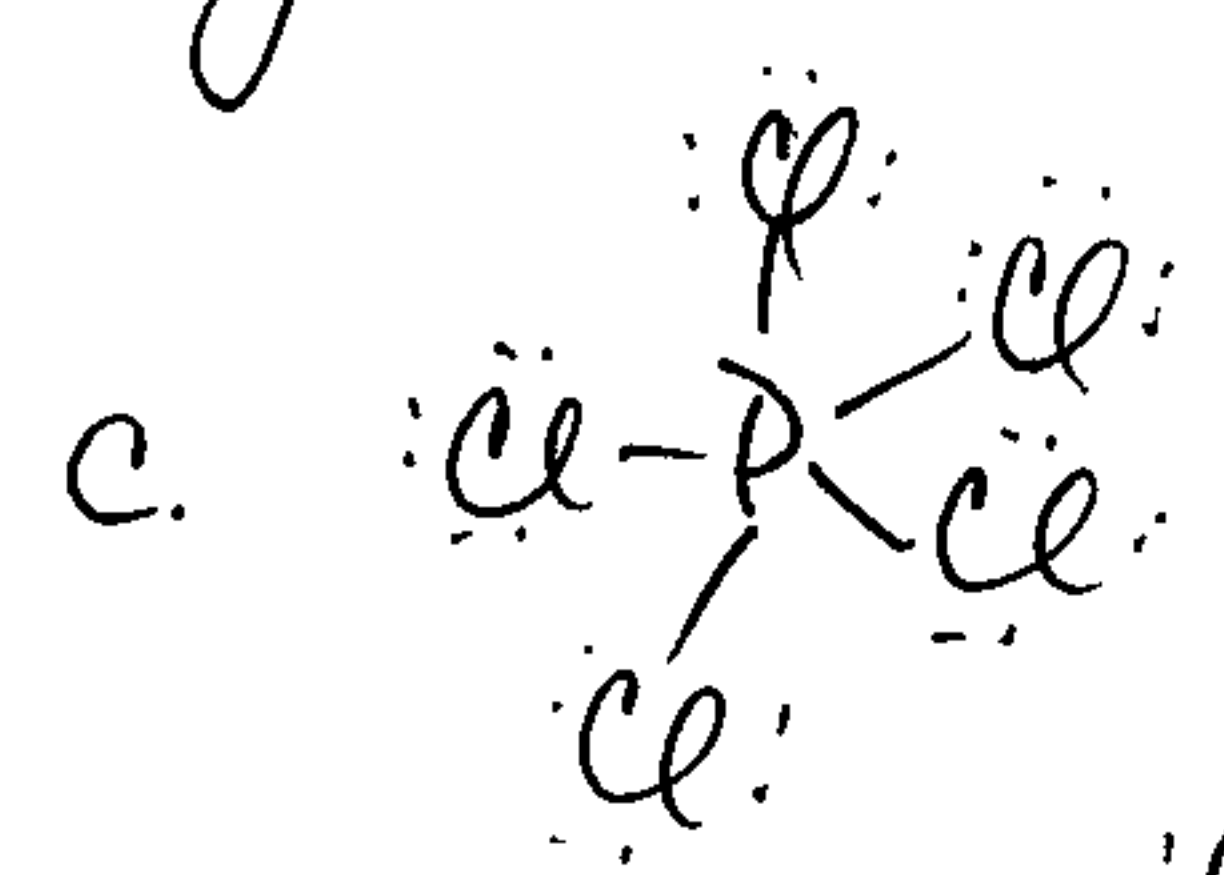
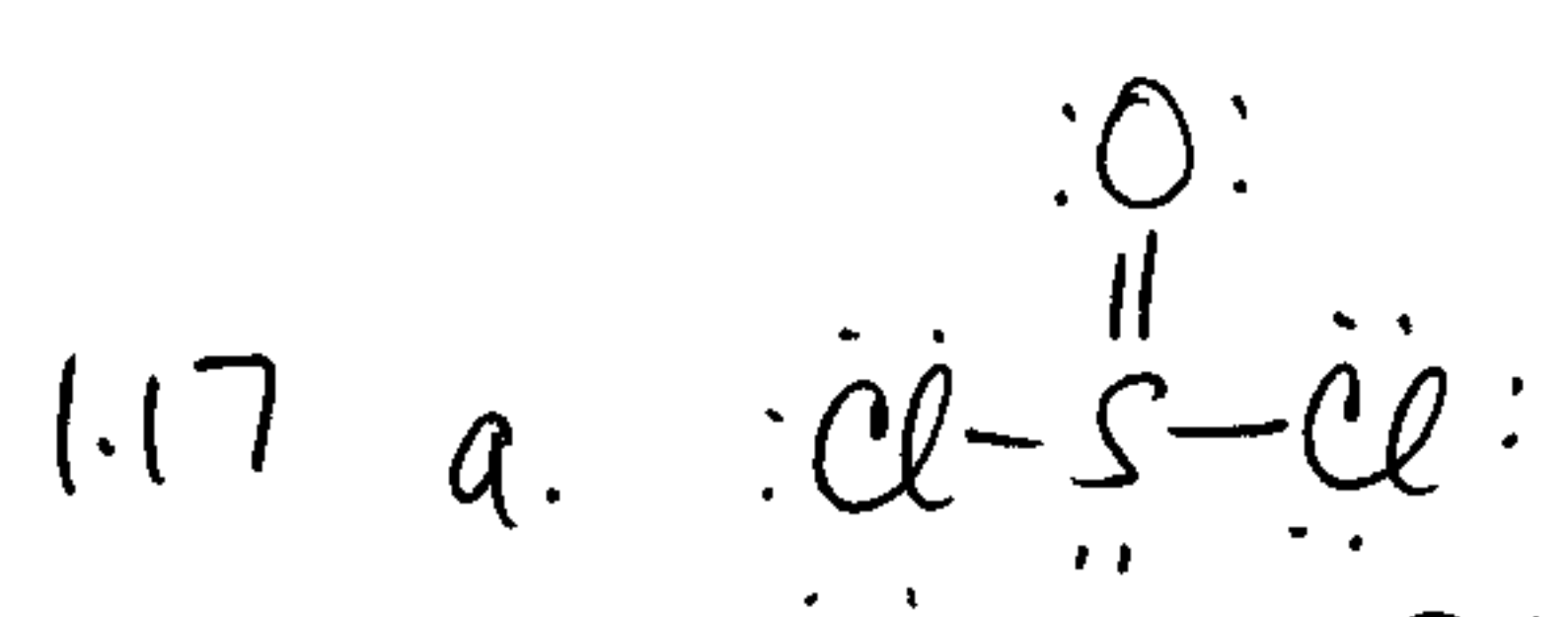
1.14



1.15



1.16 a. Yes c. No e. Yes g. Yes
 b. Yes d. Yes f. Yes h. No

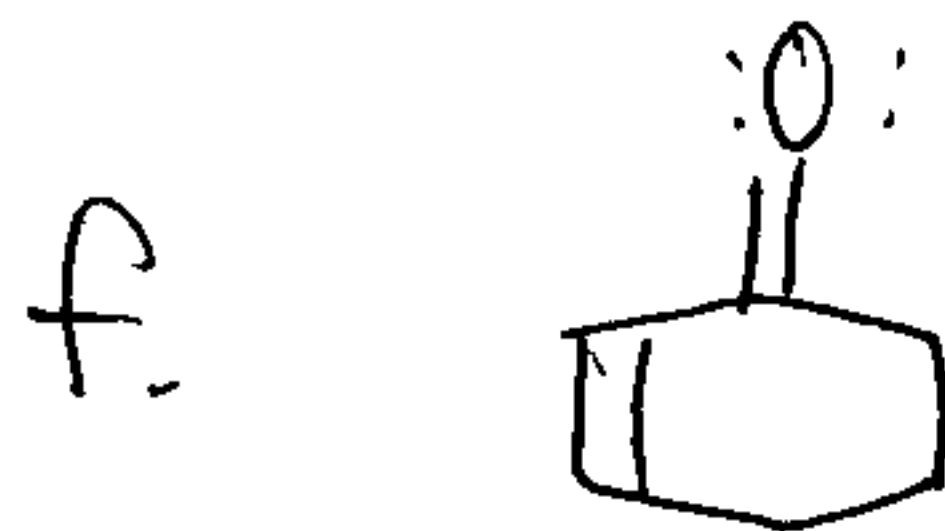
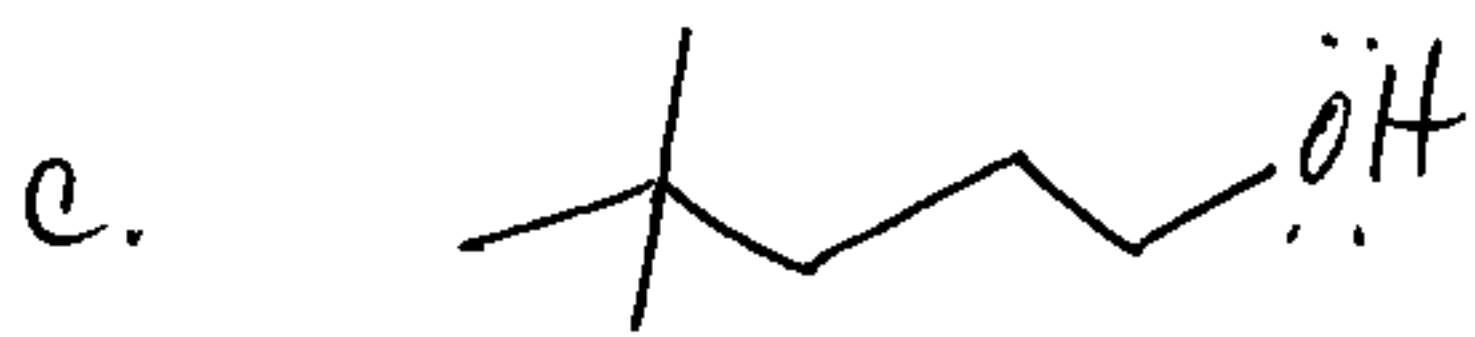
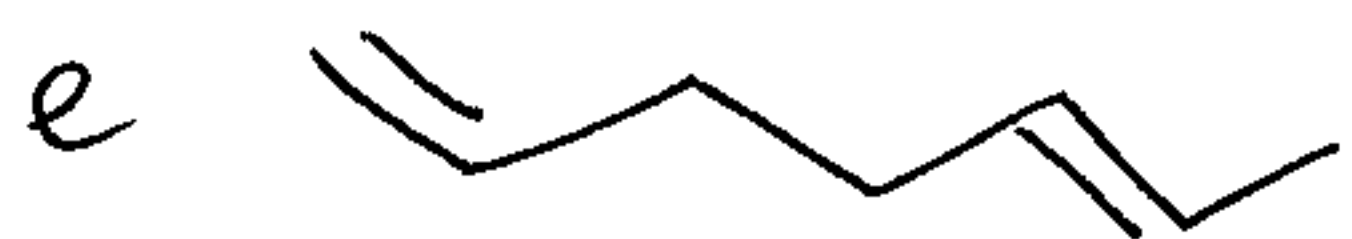
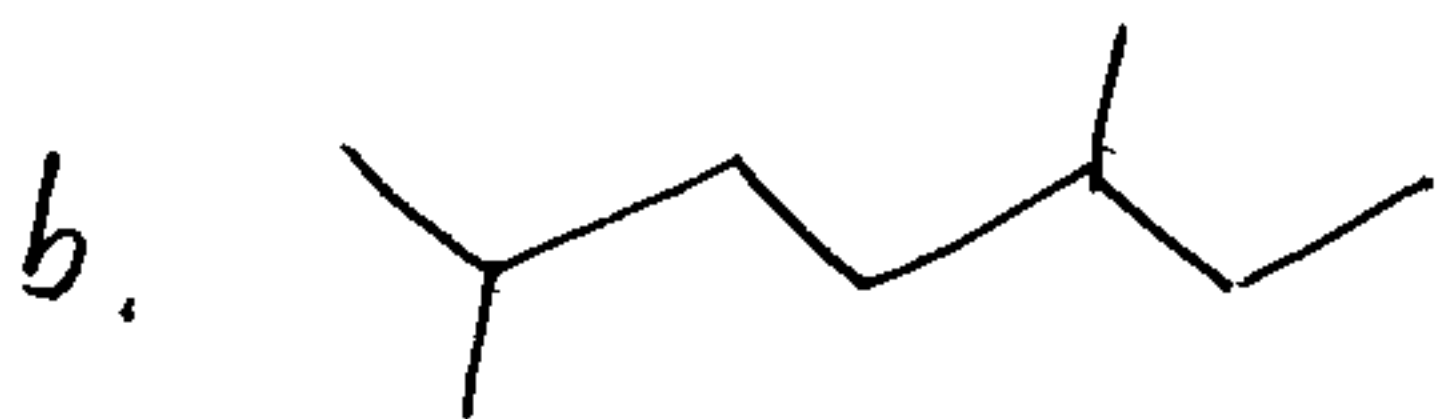
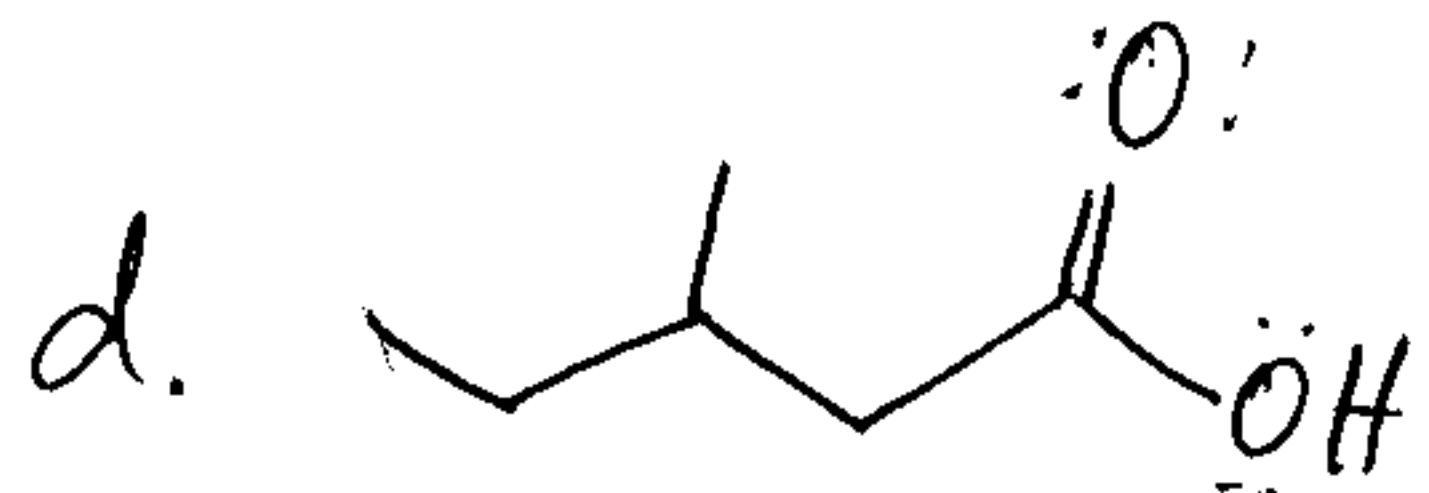
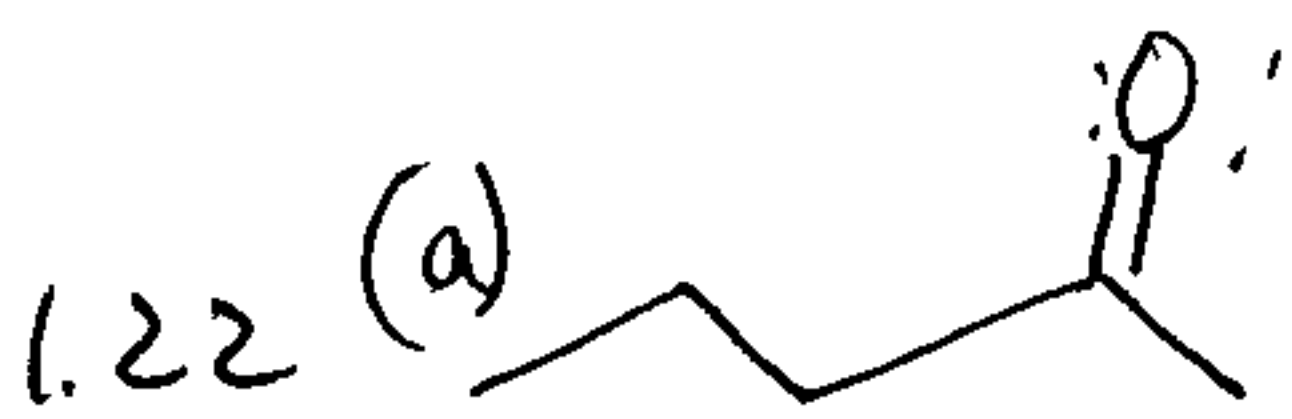


1.21 a. different
b. isomers
c. same
d. same

e. same
f. isomers
g. different
h. same

i. different
j. isomers
k. isomers
l. different

m. same
n. same
o. same
p. isomers



1.23

