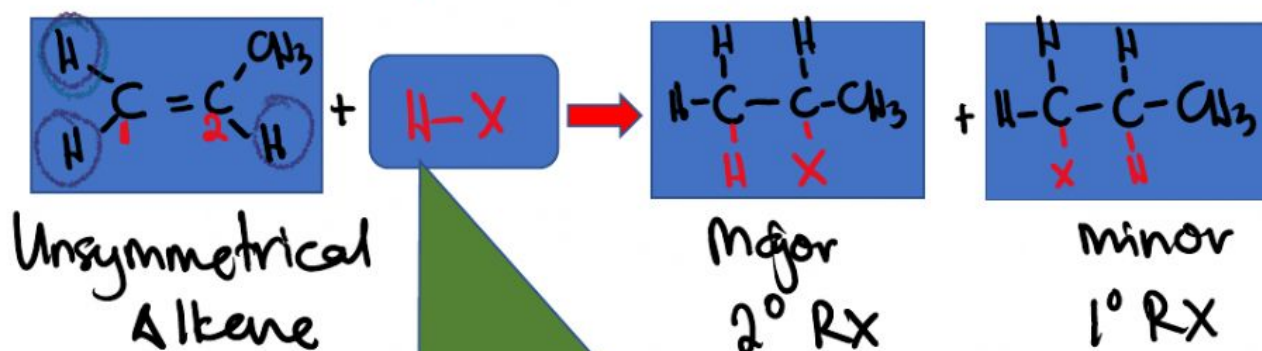
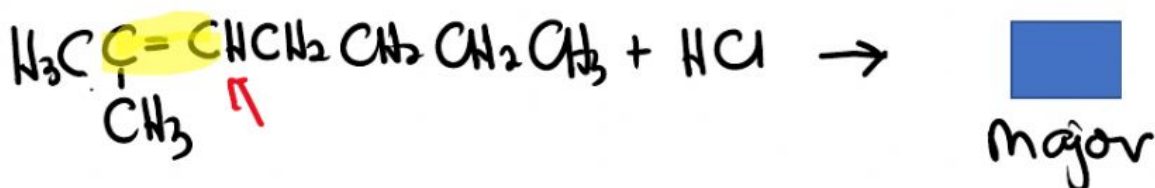


Chemical Reaction of alkenes (Types of reaction: **Electrophilic addition reaction**)

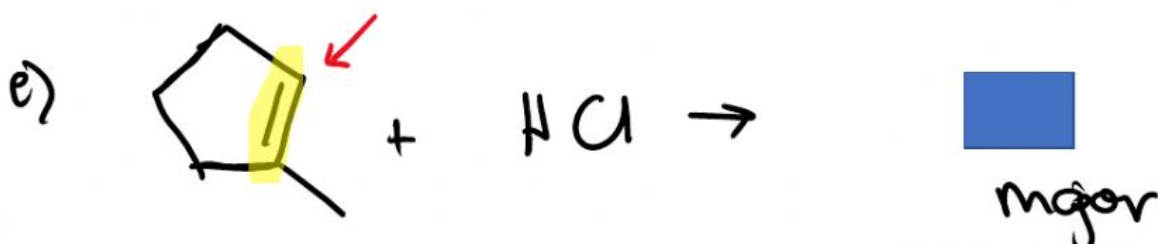
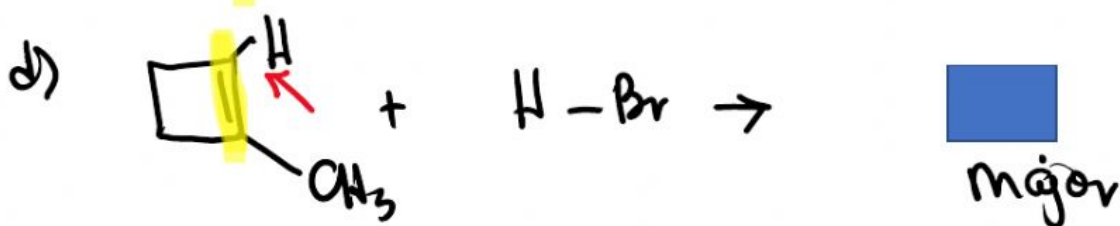
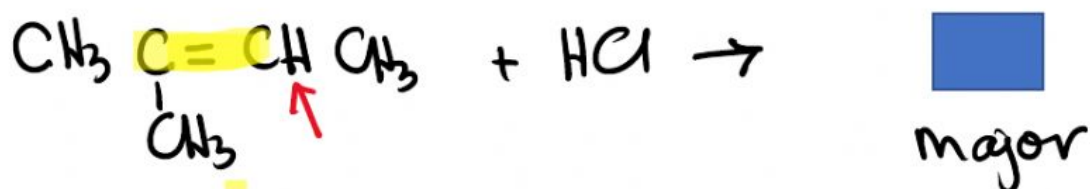
Markovnikov's rule: In addition reaction of unsymmetrical alkene to the HX , H will be added to the C of the $C=C$ that has more H attached to it.

Tutorial Q9:

b) Reaction of 2-methyl-2-heptene with HCl.



c) Reaction of 2-methyl-2-butene with HCl.



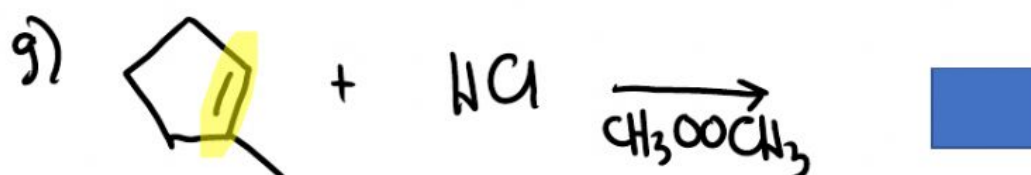
- a) Reaction of 2-methyl-2-butene with HBr in the presence of peroxide.



Due to presence of peroxide:

Anti-Markovnikov's rule: In addition reaction of unsymmetrical alkene to the HX, H will be added to the C of the C=C that has LESS H attached to it.

Common peroxides:



Answer :

