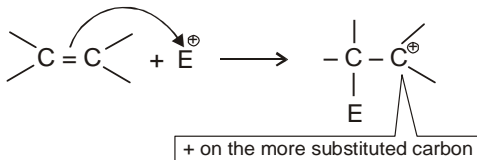


• Points to remember in Alkene & Alkyne

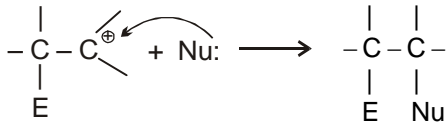
Characteristic reaction of Alkene & Alkyne is Electrophilic addition reaction.

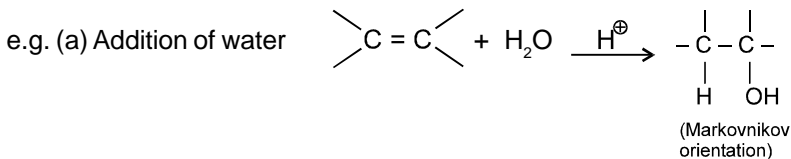
Mechanism

Step 1 : Attack of the electrophile on π bond forms a carbocation.

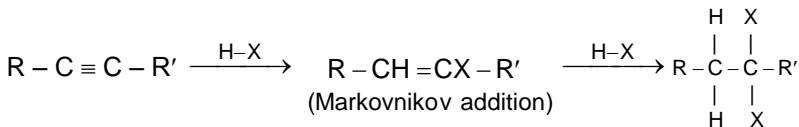


Step 2 : Attack by a nucleophile gives the product of addition.





(b) Addition of hydrogen halides (where $\text{HX} = \text{HCl}, \text{HBr}, \text{HI}$)



Note: When electrophiles are: Cl^+ , Br^+ , I^+ , NO_2^+ or Hg^{2+} then stereochemistry is important and major product is formed by anti addition.