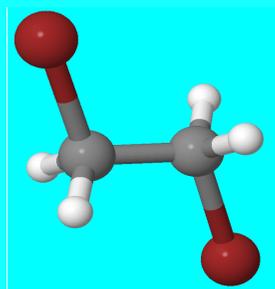
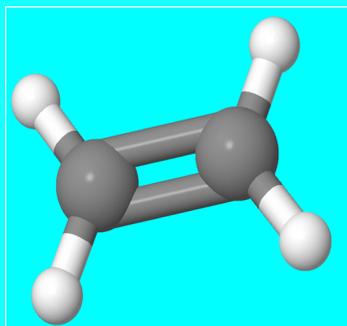


Types of Organic Reactions. 1

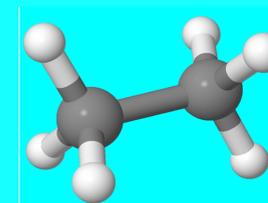
Addition reactions :-an addition reaction occurs when two reactants react to form one single product. These reactions are typical of unsaturated compounds such as alkenes. One of the carbon-carbon double bond comes undone and two new single bonds are formed with the reagent. The two planar carbons of the double bond become tetrahedral.



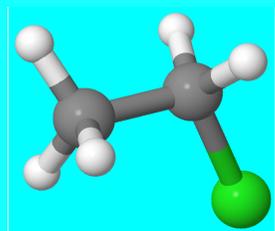
1,2 dibromoethane
 $C_2H_4Br_2$



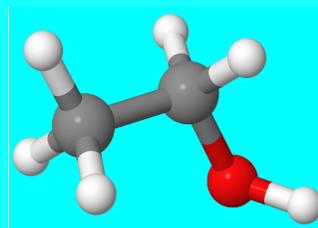
Ethene C_2H_4



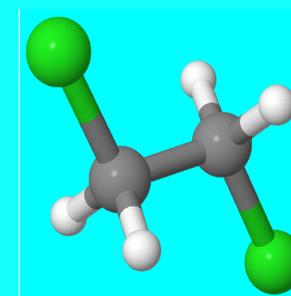
ethane
 C_2H_6



chloroethane
 C_2H_5Cl



ethanol
 C_2H_5OH

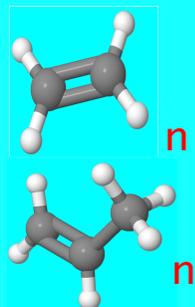


1,2 dichloroethane
 $C_2H_4Cl_2$

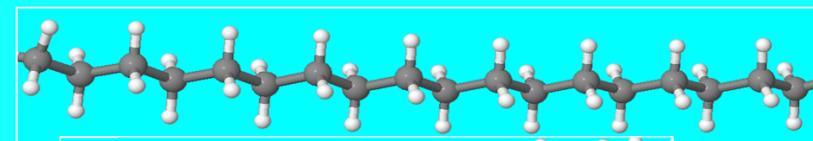
Addition polymerisation

Ethene polymerises to polyethene or polythene [used to make plastic bags]

Propene polymerises to polypropene [used in toys, plastic beakers, ropes etc.]



Polythene



Polypropene

