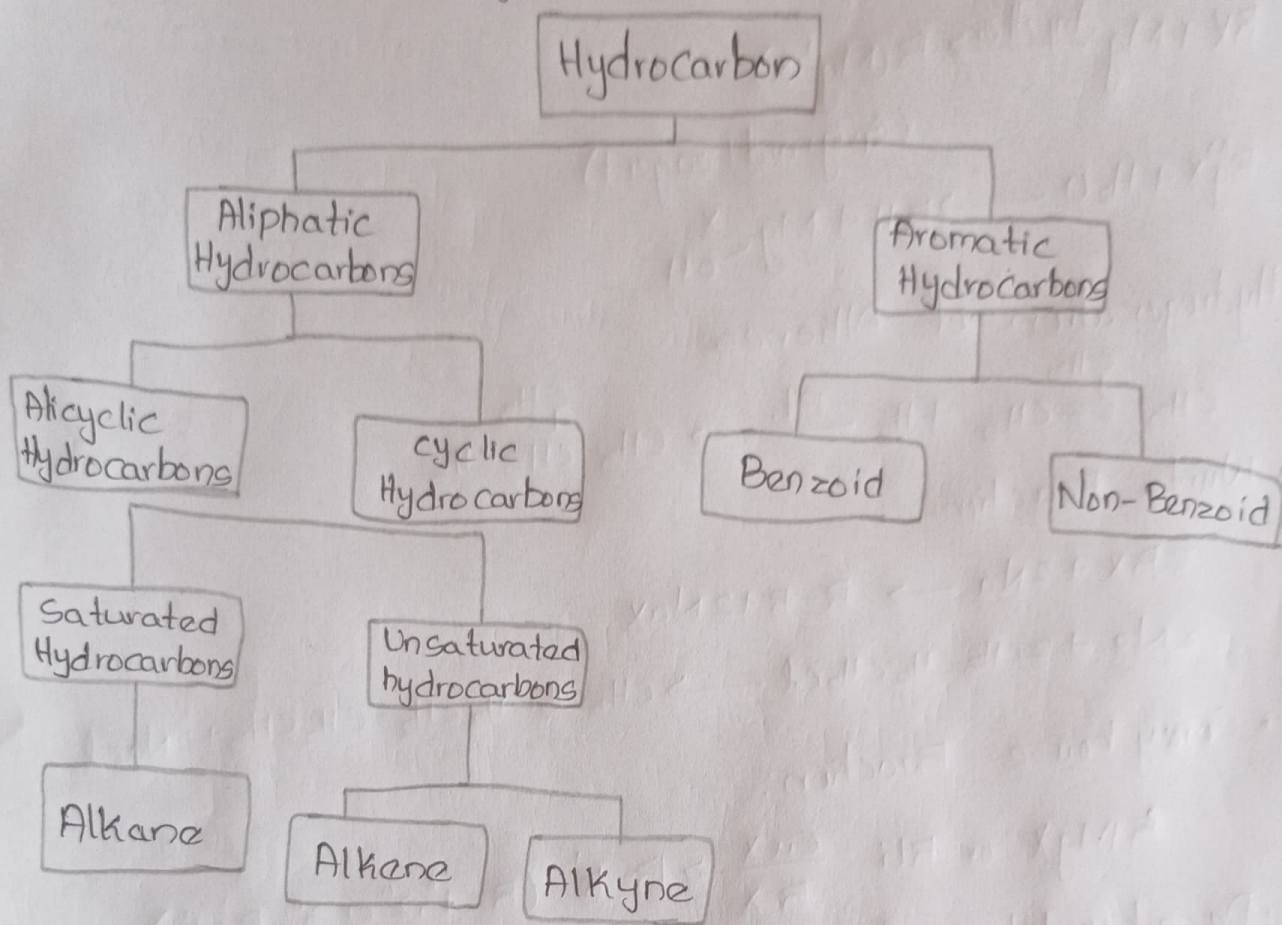


Hydrocarbons

• Compounds of carbon and hydrogen.

• Classification of Hydrocarbons:



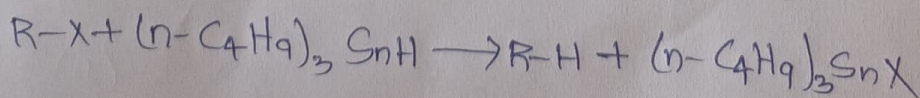
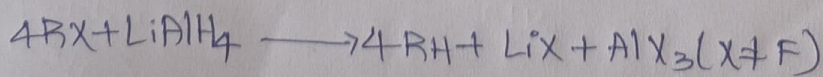
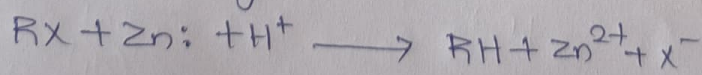
Alkane:-

• Open chain saturated hydrocarbon with general formula C_nH_{2n+2} .

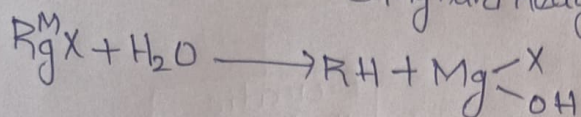
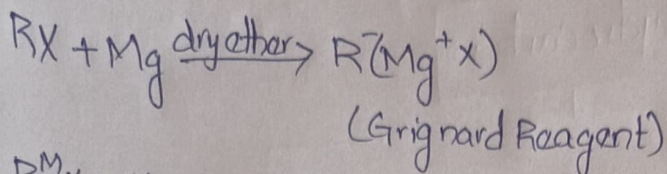
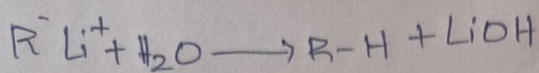
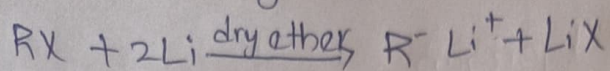
• All the C atoms are single bonded i.e. sp^3 hybridised.

Preparation of Alkanes:-

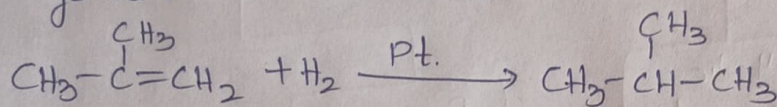
• Reduction of Alkyl Halides:-



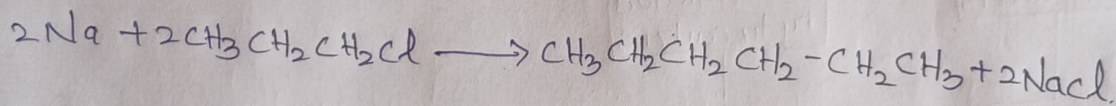
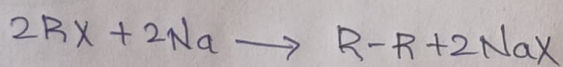
• Grignard Reagent:



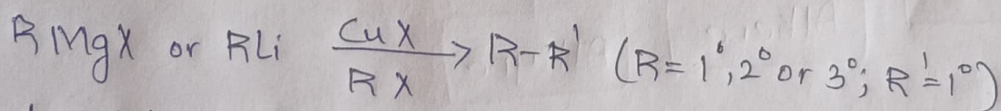
• Hydrogenation of Alkenes:



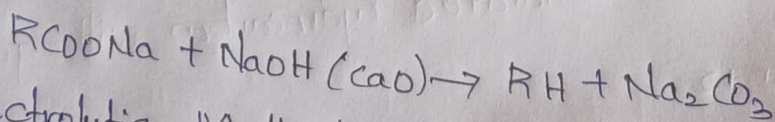
• Wurtz Reaction:



• Corey house Reaction:



• Decarboxylation of a mixture of the sodium salt of a Carboxylic acid:



• Kolbe's electrolytic Method:

