

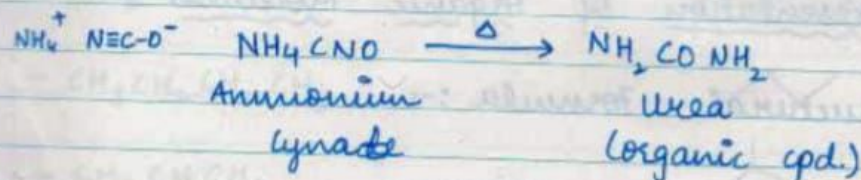
Timeline of Organic Chemistry Manju

- Berzelius Theory (1815):
(Vital Force Theory)

Accⁿ to it, it was assumed that organic compounds are obtained only from plants and animals, which means that it cannot be synthesized in laboratory.

Above theory was proved wrong by Wöhler's synthesis.

- Wöhler's Synthesis (1828):



- What are Organic compounds?

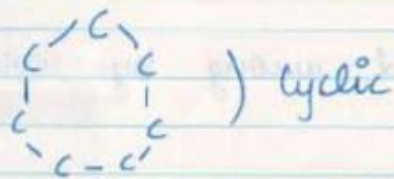
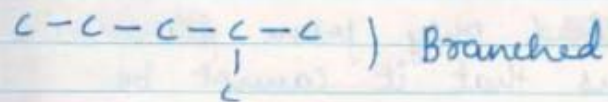
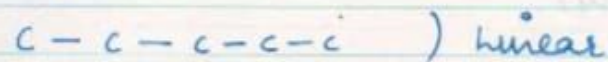
Compounds containing carbon with the exception of oxides, carbides, carbonates, cyanides.

- Why carbon is so special?

It is due to special ability of carbon atom to form long chains containing C-C and other bonds known as catenation.

- Tendency for catenation decreases down the

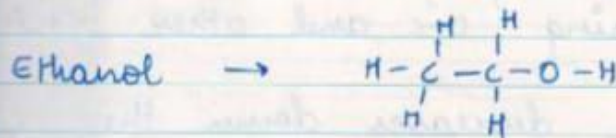
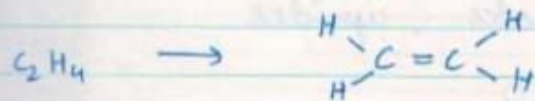
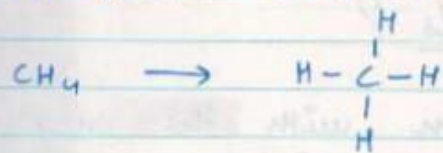
and hence overlapping is relatively poor.
Such type of chains can be formed,

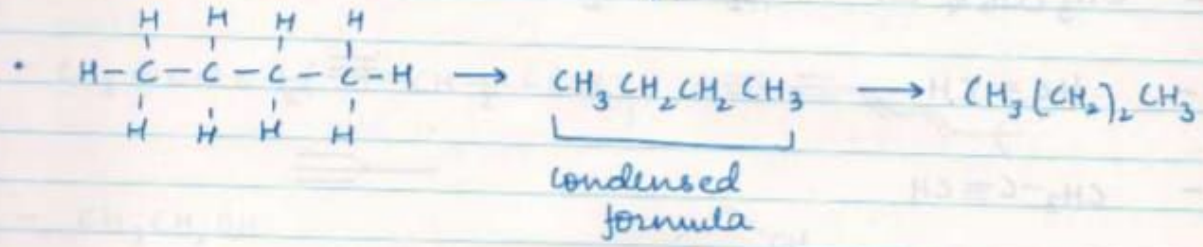
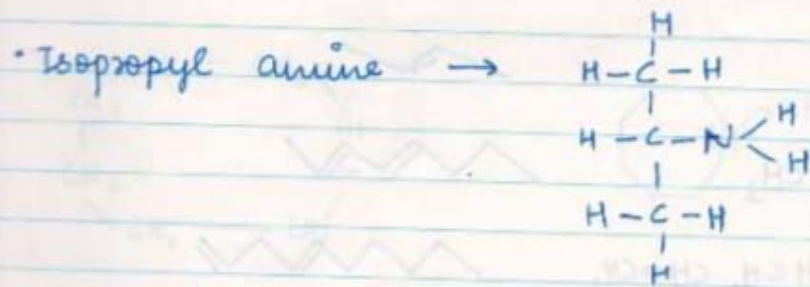


• Structural Representation of Organic Molecules :->

1] Complete Structural Formula :->

All atoms & bonds are shown.





• condensed

bond line

