

Subject- Chemistry SEM-III, MIC-3

Hydro Carbon BY - DR. MANOJ KR.

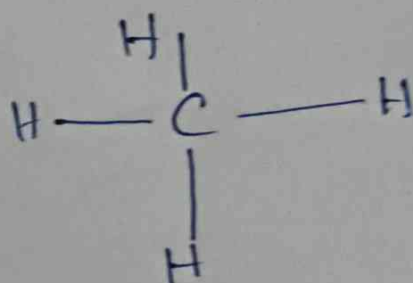
Hydrogen carbon is build by two atoms i.e. Hydrogen and Carbon. It means in Hydrocarbon we study mainly Hydrogen Carbon compound. It is very vast.

Hydrocarbon mainly divided into three types.

(1) Alkanes (Saturated) Hydrocarbon: - This type of Hydrocarbon only single bond is present. It's General formula is C_nH_{2n+2} , Here 'n' is number of Carbon atom.

If no. of Carbon atom is 1

then $C_1H_{2 \times 1 + 2}$ i.e. CH_4 (Methane)



Here covalent bond present between Hydrogen and Carbon.

Nomenclature of Alkane (C_nH_{2n+2}) (Alkane)

According to no. of carbon nomenclature may be of following

C_1	— Meth	C_nH_{2n+2} — CH_4 — Methane
C_2	— eth	C_2H_6 — ethane
C_3	— prop	C_3H_8 — propane
C_4	— But	
C_5	— Pent	
C_6	— Hex	
C_7	— Hept	
C_8	— Oct	
C_9	— non	
C_{10}	— Dec	
C_{11}	— undec	
C_{12}	— dodec	
C_{13}	— tridec	
C_{14}	— Tetradec	
C_{15}	— Pentadec.	
C_{16}	— Hexadec.	
C_{17}	— Heptadec	
C_{18}	— octadec.	
C_{19}	— nonadec.	
C_{20}	— Eicos	
C_{30}	— triacont.	

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