

TENDER HEART HIGH SCHOOL, SEC-33B, CHD.

CLASS - X

SUBJECT - CHEMISTRY

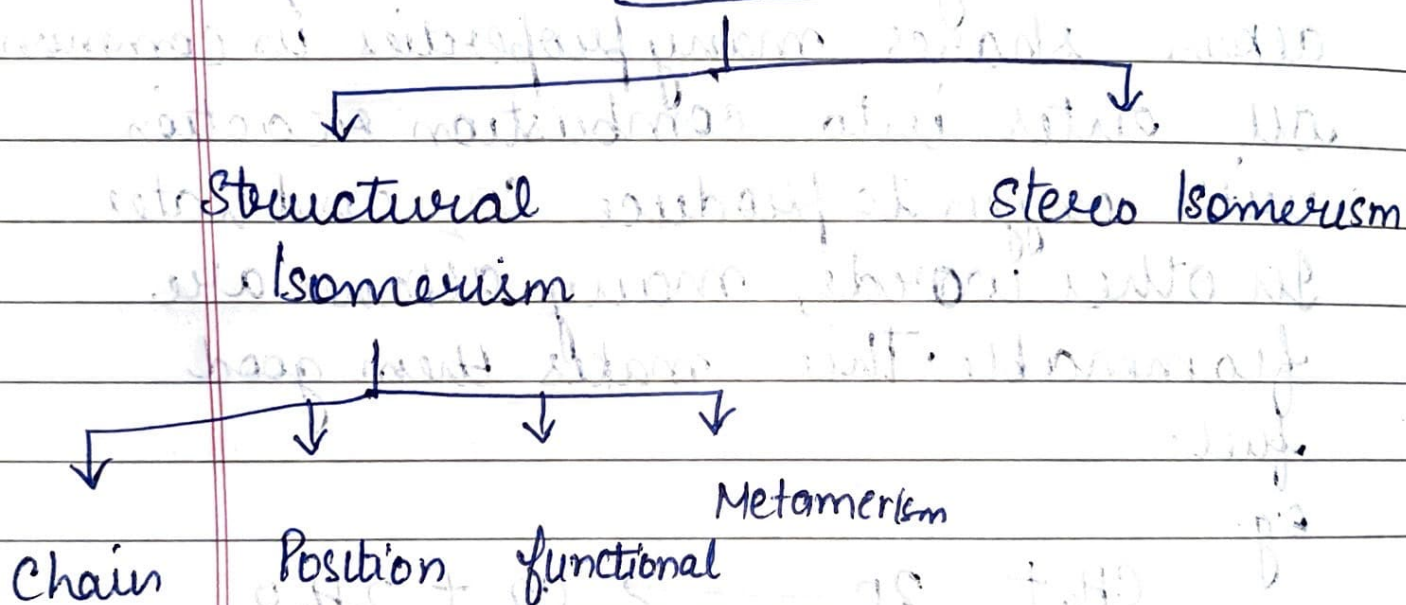
CHAPTER - 12

TEACHER - ANAMIKA

Isomers are Compounds having same molecular formula but different structural formula known as isomers.

Isomers differ in physical or chemical prop. or both

Isomers

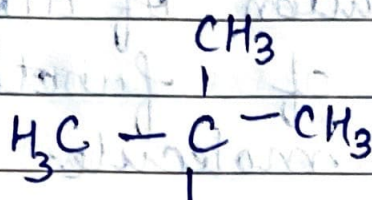
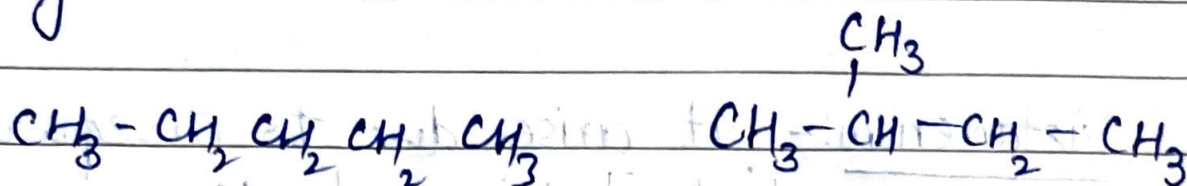


Q. Chain Isomerism:- When two or more Compounds have a similar

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molecular formula but are different in arrangement of carbon atoms in straight or branched chain

e.g.



2. Position Isomerism:- When two or more compounds with same molecular formula differ in position of substituent atoms or functional group.

e.g.



3. Functional Isomerism:- Two or more compounds with same molecular formula

but different functional group

eg.



4. Metamerism:- It arises due to unequal distribution of alkyl group on either side of functional group in the molecule.

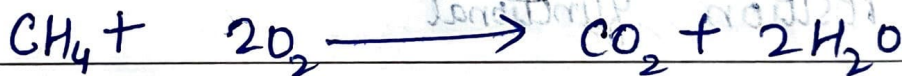


Hydrocarbon: Alkanes

Alkanes are the hydrocarbon in which all the linkages between the carbon atoms are single covalent bond.

These compounds are known as saturated hydrocarbon. The simple alkane shares many properties in common. All enter into combustion reaction with oxygen to produce CO_2 and water. In other words, many alkanes are flammable. This makes them good fuel.

e.g.



These hydrocarbon are relatively unreactive under ordinary conditions. So, they are also known as Paraffins.