

ORGANIC CHEMISTRY

The compounds dealing with living organisms are called organic compounds and the chemistry dealing with them was named organic chemistry.

Organic compounds are the compounds of carbon and organic chemistry the study of carbon compounds.

UNIQUE NATURE OF CARBON ATOMS

TETRAVALENCY

The characteristic of the carbon atom by virtue of which it forms four covalent bonds is called the tetravalency of carbon.

CATENATION

The property of self linking of atoms of an element through covalent bonds in order to form straight chains, branched chains and cyclic chains of different sizes is known as catenation.

TETRAVALENCY



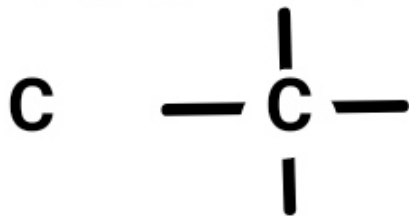
FOUR VALENCE ELECTRONS



NEITHER LOSE OR GAIN ELECTRONS TO ATTAIN OCTET



FORMS FOUR COVALENT BONDS



CATENATION



DUE TO GREATER STRENGTH OF
CARBON - CARBON BOND AND
TETRA-COVALENCY OF CARBON



STRAIGHT CHAIN OF CARBON ATOMS