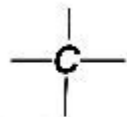
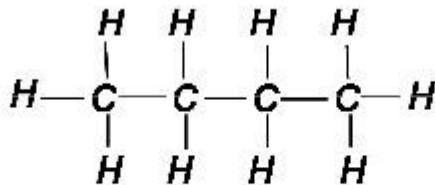


Carbon is a key component of all known **life on Earth**. Complex molecules are made up of **carbon** bonded with other elements, especially oxygen, hydrogen and nitrogen. **Carbon** is abundant on **Earth**. It is also lightweight and relatively small in size, making it easier for enzymes to manipulate **carbon** molecules.

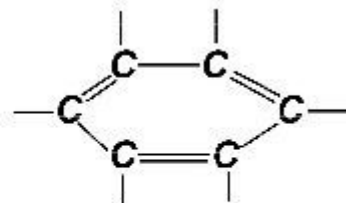
ORGANIC CHEMISTRY	INORGANIC CHEMISTRY
Concentrated towards carbon compounds and other carbon-based compounds such as hydrocarbons and their derivatives.	Concerned in the scientific study of all the chemical compounds except the carbon group.
Always contain carbon. Almost all organic compounds contain carbon-hydrogen or C-H bonds.	Most Inorganic Compounds do Not contain carbon.
Covalent bond (sharing of electron pairs between atoms)	Ionic bond (electrostatic attraction between oppositely charged ions, cations and anions)
Less reactive because reactions are molecular, slow results	Reactions are ionic, faster results



A carbon atom with 4 links



A chain of carbon atoms with attached hydrogens



A ring of carbon atoms