

Distinguish, differentiate, compare and explain what is the difference between saturated and unsaturated hydrocarbons. Comparison and Differences.

## Differences between Saturated hydrocarbons and Unsaturated hydrocarbons

S.No.	Saturated Hydrocarbons	Unsaturated Hydrocarbons
1	In saturated hydrocarbons the carbon atoms are linked to each other only by single covalent bonds.	In unsaturated hydrocarbons the valencies of carbon atoms are not fully satisfied by single covalent bonds.
2	They contain only a single bond.	They contain carbon to carbon double or triple bonds.
3	Substitution reaction is a characteristic property of these hydrocarbons.	Addition reaction is a characteristic property of these hydrocarbons.
4	They are chemically less reactive.	They are chemically more reactive.
5	There general formula is: $C_nH_{2n+2}$	There general formula is: $C_nH_{2n-2}$