

Functional Groups

Organic families contain a certain combination of elements called functional groups

Adding a functional group to a hydrocarbon changes its physical and chemical properties in a predictable way.

1. Hydroxyl group
2. Amine group
3. Carbonyl group
4. Carboxyl group

Adding the above functional groups result in polar molecules which will create higher melting and boiling points than hydrocarbons.

If they have O-H and N-H bonds, the molecules can hydrogen bond and are even more polar.