

Organic Chemistry (OChem)

Chemistry of Living things

| Organic | Inorganic |
|--|--|
| <ul style="list-style-type: none"> Carbon is building block of all life Contain BOTH Carbon & hydrogen. <ul style="list-style-type: none"> $C_4O_2H_8$ Molecules (covalent) ONLY Essential For Life <ul style="list-style-type: none"> 4 Macromolecules: <ul style="list-style-type: none"> Carbohydrates (sugars) Lipids (fats & oils) Proteins Nucleic Acids (DNA) | <ul style="list-style-type: none"> Non-organic carbon examples Diamond, CO, CO₂, cyanides Contain Carbon OR Hydrogen, never both <ul style="list-style-type: none"> CO₂ & H₂O Molecules or Compounds Essential For Life <ul style="list-style-type: none"> Salts Water Acids Bases |

Chemical Formula | Structure: use C for carbon, H for hydrogen

