

# Chapter 2: The Chemistry of Life – (Organic Chemistry)

This is what living things are made of...

What does organic mean in chemistry?

**Atom... element... molecule... then what?**

***A. Macromolecule!***

1. Defn:
2. Made of?
3. Examples:
4. 4 groups in living things?

***B. Four Macromolecules (big molecules) + Water***

**1. Carbohydrates**

**a) 2 Types**

***(1) Simple***

**(a) Monomers**

**(b) Examples**

***(2) Complex***

**(a) Monomers**

**(b) Examples**

**b) Source –**

**c) Properties-**

**d) Function –**

## **2. Lipids**

a. Complex

i. Monomers

ii. 3-D Shape

iii. Examples

b. Source –

c. Properties-

d. Function –

## **3. Protein**

a. Structure

i. Monomers

ii. 3-D Shape

iii. Examples

b. Source –

c. Properties-

d. Function –

**4. Nucleic Acids**

a. Structure

iv. Monomers

v. 3-D

vi. Examples

b. Source –

c. Properties-

d. Function –