

The FRAME Routine

Key Topic

Macromolecules

is about...

Main idea

Main idea

Main idea

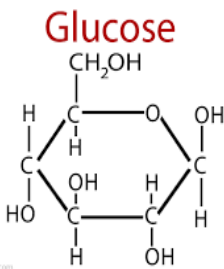
Main idea

Structure

Function

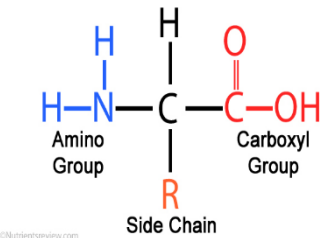
Examples

Monomer

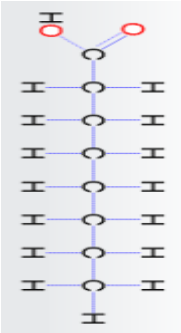


Monomer

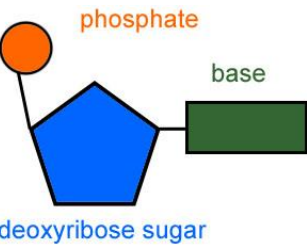
Amino Acid Structure



Monomer



Monomer



So What? (What's important to understand about this?)

Macromolecules Review (Extension)

Directions: Provide a specific example of a macromolecule found in each unit of study listed below. One example has been done for you.

Carbohydrate

Protein

Lipid

Nucleic Acid

Cell
Structures

Lipids make up the
cell membrane
(phospholipids).

Cell Cycle

Protein
Synthesis

Inheritance
Patterns

Origin of Life

Key Topic

Macromolecules

the carbon-based polymers that make up all life.

Carbohydrate

Protein

Lipid

Nucleic Acid

CHO

CHON

CHO

CHONPS

Short Term Energy

Biological Processes

Long Term Energy

Storage of Genetic Info

Cell Walls

Enzymes

Fats, Oil, wax

DNA

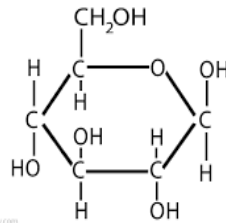
Foods (Bread, Pasta, etc)

Foods (Meat, Eggs, etc)

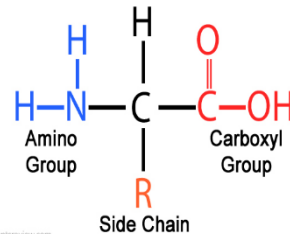
Foods (Butter, Cheese, etc)

RNA

Glucose



Amino Acid Structure



A diagram of a nucleotide. It consists of three parts: an orange circle at the top left labeled 'phosphate', a blue pentagon in the center labeled 'deoxyribose sugar', and a green rectangle at the bottom right labeled 'base'. Lines connect the phosphate to the sugar, and the sugar to the base.

So What? (What's important to understand about this?)

Macromolecules are in the food I eat and are required for my body to carry out all living functions. (breathing, digestion, cell regeneration, etc.)