

Macromolecules of Life – Lecture 1

All Life is composed of **Four Basic Molecules**:

I. Four Macromolecules

<u>Macromolecule</u>	<u>Examples</u>	<u>Monomers</u>	<u>Jobs</u>
Nucleic Acids	DNA; RNA	Nucleotides	<ul style="list-style-type: none">• Store Genetic Information• Instructions to make proteins
Proteins	Enzymes; Rhodopsin; insulin	Amino acids	<ul style="list-style-type: none">• Building blocks of cells.• Control chemical reactions
Carbohydrates	Sucrose; fructose; Glucose	Mono-saccharide	<ul style="list-style-type: none">• Energy source for cells• Stored energy.
Fats	Bilayer	Glycerol	<ul style="list-style-type: none">• Build membranes• Stored energy

VI. Macromolecule Summary