

# Organic Macromolecule Chart

Class of Macro-molecule	General Name of Monomer	Example of Monomer	General Name of Polymer	Example of Polymer	Function of Macro-molecule
Carbo-hydrates (C, H, O)	<b>Mono-saccharide</b>	<b>Glucose Fructose Galactose</b>	<b>Disaccharide Poly-saccharide</b>	<b>Sucrose Lactose Maltose Cellulose Glycogen</b>	<b>Short term energy storage Structure</b>
Lipids (C, H, O)	<b>Glycerol Fatty Acid</b>		<b>Types Saturated Unsaturated- Mono &amp; poly</b>	<b>Steroids Fats Waxes Oils</b>	<b>Long term energy storage Messenger Water proof covering Membranes</b>
Proteins (C, H, O, N)	<b>Amino acid</b>	<b>20 amino acids</b>	<b>Protein (polypeptide)</b>	<b>Hemoglobin Hair Enzymes Muscle</b>	<b>Bone and Muscle Control reactions Transport Regulate cell processes Fight disease</b>
Nucleic Acids (C, H, O, N)	<b>Nucleotide</b>	<b>T/U G C A</b>	<b>Nucleic acid (polynucleotide)</b>	<b>DNA RNA</b>	<b>Store and transmit genetic info</b>