Characteristics of Biological Macromolecules

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| **Macromolecule** | **Subunits** | **Diagram of typical subunit** | **Examples** | **Functions** |
| ***Carbohydrates*** | Monosaccharides  Disaccharides  Polysaccharides | http://img.tfd.com/mgh/ceb/thumb/Structural-formula-for-x3b1-D-glucose.jpg | Fructose  Sucrose  Cellulose | Stores energy  Component of the plant cell wall |
| ***Lipids*** | Triglycerides  Phospholipids  Steroids | http://www2.parl.gc.ca/content/LOP/ResearchPublications/images/prb0521e-3.jpg | Butter  Cell membranes  Cholesterol | Energy storage  Are useful as insulation,  Components of cell membranes,  Vitamin absorption, Hormone production. |
| ***Proteins*** | Amino Acids | http://www.bothbrainsandbeauty.com/wp-content/uploads/2009/12/amino_acid_structure_2.jpg | Enzymes  Hemoglobine  Hair | Build and repairs cell structure  Helps chemical reactions take place (speeds them up) |
| ***Nucleic Acid*** | DNA  RNA | http://2.bp.blogspot.com/_guSOnFRs_Ks/THOJGkYCbtI/AAAAAAAAAJA/H7jBQEVHgHU/s320/nucleotide.jpg | DNA  RNA | Stores heredity information (DNA)  Decodes Heredity information (RNA) |