Characteristics of Biological Macromolecules

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| **Macromolecule** | **Subunits** | **Diagram of typical subunit** | **Examples** | **Functions** |
| ***Carbohydrates*** | MonosaccharidesDisaccharidesPolysaccharides | http://img.tfd.com/mgh/ceb/thumb/Structural-formula-for-x3b1-D-glucose.jpg | FructoseSucroseCellulose | Stores energyComponent of the plant cell wall |
| ***Lipids*** | TriglyceridesPhospholipidsSteroids | http://www2.parl.gc.ca/content/LOP/ResearchPublications/images/prb0521e-3.jpg | ButterCell membranesCholesterol | Energy storageAre 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 | EnzymesHemoglobineHair | Build and repairs cell structureHelps chemical reactions take place (speeds them up) |
| ***Nucleic Acid*** | DNARNA | http://2.bp.blogspot.com/_guSOnFRs_Ks/THOJGkYCbtI/AAAAAAAAAJA/H7jBQEVHgHU/s320/nucleotide.jpg | DNARNA | Stores heredity information (DNA)Decodes Heredity information (RNA) |