

## Organic Compound Chart

Macromolecule "Polymer"	Monomer	Example	Function	Test	Positive Test Result
Carbohydrate (Polysaccharide)	Monosaccharide	Starch Cellulose Fructose Maltose	Provides Quick Energy and Cell structure	Simple Sugars: Add Benedicts Solution and heat Starch: Add Iodine	Simple Sugar: from blue to yellow / orange Starch: turns black/dark purple
Proteins "polypeptide"	Amino Acids	Structural Proteins and Enzymes	Provides structure Controls cell reactions	Add Biurets	Goes from blue to purple/violet
Lipids	Fatty Acid Chains	Fats, Oils, Waxes	High Energy Storage, Lubrication, cushioning	Brown Bag or Sudan III Test	Turns Clear or Sudan Test shows floating globs
Nucleic Acids	Nucleotides	DNA RNA	Store genetic information - used to make proteins		