

## FOUR GROUPS OF ORGANIC COMPOUNDS

Group Name	Elements made of	Example	Function	Monomers
Carbohydrate	Carbon, hydrogen, oxygen	Glucose	Provides energy for living things, support structure for plant and fungi cell walls	Monosaccharides
Lipids	Carbon, hydrogen, oxygen	Phospholipid, saturated or unsaturated fats	Long term energy storage, insulation, waxes and oils, precursor to steroids	No set monomer, but made from glycerol and fatty acids
Proteins	carbon, hydrogen, oxygen and nitrogen	keratin, antibodies, enzymes, hemoglobin	digestive enzymes, antibodies, cell transport, makes up structures like skin and fingernails, and muscle fibers	amino acids
Nucleic Acids	carbon, hydrogen, oxygen, nitrogen, and phosphorous	DNA, RNA, ATP	transmits genetic information, energy transfer, protein synthesis	Nucleotides