

Macromolecule	Structure What elements are in it? What are its building blocks (monomers)?	Function What is its job? What is it used for?	Examples Where is it found?
Proteins	Elements: C, H, O, N Bldg Blocks: Amino Acids (AAs) - 20 diff. kinds Structure of AAs: $\begin{array}{c} \text{H} \\ \\ \text{H}-\text{N}-\text{C}-\text{C}=\text{O} \\ \quad \\ \text{R Group} \quad \text{OH} \end{array}$ Peptide Bonds = bonds between AAs in a protein Polypeptide Chain = protein	Enzymes (type of protein) help carry out chemical reactions - Help things move in & out of cells - Movement (muscles)	- Meat - Milk - Fish - Soy - Beans
Nucleic Acids	Elements: C, H, O, N, Phosphorus (P) Bldg Blocks: nucleotides Structure of nucleotides: P = Phosphate group S = 5-Carbon sugar N = Nitrogen base	The code for life! - Store and transmit genetic information.	Deoxyribo-nucleic acid (DNA) Ribonucleic acid (RNA)