

The Four Biomolecules

Biology

Carbohydrates, lipids, proteins and nucleic acids, and their monomers.

Monomer, polymer and elements.

Molecule	Monomer	Elements
Carbohydrate	Monosaccharide	C H O
Protein	Amino acid	C H O N (+S)
Nucleic acid	Nucleotide	C H O N P
Lipid	Not a polymer	C H O

Condensation joins monomers and releases water. Hydrolysis breaks them and consumes water. Every polymer uses both.