

Molecule	smallest unit of most compounds
Compound	substance formed by the chemical combination of two or more elements in definite proportions
Biomolecule	any molecule that is produced by a living organism; examples are carbohydrates, proteins, lipids, and nucleic acids
Monomer	small unit that can join together with other small units to form a polymer
Polymer	large compound formed from combinations of many monomers



Carbohydrate	Starch Cellulose Glycogen Utilized as a primary energy source for living things; used for structure in plant cell walls - cellulose
Monosaccharide	H-C-OH H-C-OH H-C-OH H-C-OH H-C-OH H-C-OH H-C-OH H-C-OH H-C-OH H-C-OH H-C-OH H-C-OH H-C-OH CH2OH
Disaccharide	two monosaccharides chemically bonded together
Polysaccharide	polymer formed from chemically bonding together many monosaccharides; for example starch
Lipid	Image: complete the series add the

Lipid	used to store energy and provide insulation; important parts of biological membranes such as the cell membrane; common categories of lipids are fats, oils, and waxes
Fatty acid	Saturated C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-
Glycerol	the backbone of many lipid molecules
Phospholipid	Phospholipids Image: Colspan="2">Polaring of Polaring of Pola
Protein	macromolecule that contains carbon, hydrogen, oxygen, and NITROGEN

Protein	Primary structure	Secondary structure	Tertiary structure
Amino acid	mo	mino Acid Struct H H OH H OH C C OR C C $OGroup$ $Group$ C C C $OGroup$ C O C $OGroup$ C O C $OGroup$ C O O $OGroup$ C O	ure H Acid
			<u>→</u>
Peptide bond	covalent b	H + H O H + H O H + H O R + H O R + H O Peptide bond Ond joining a	amino acids
Nucleic acid			eptide)
		Guanine Hall-NN Hall-NN -O-FEO HOT Thymine HAL-NA HOT Thymine HAL-NA	
	macromolecule containing carbon, hydrogen, oxygen, nitrogen, and PHOSPHORUS (P)		
Nucleic acid	function to store and transmit heredity, or genetic information; ex. deoxyribonucleic acid (DNA), ribonucleic acid (RNA)		



Enzyme	protein that acts as a biological catalyst; it speeds up chemical reactions by lowering the activiation energy
Activation energy	energy needed to get a chemical reaction started
"-ase" (ex. amylase)	an enzyme
Substrate	reactant in a chemical reaction using an enzyme
Active site	the small portion of an enzyme where substrate molecules bind and undergo a chemical reaction

Enzyme-substrate complex

a substrate bound to the active site of an enzyme