BIOCHEMISTRY
The cell as a factory
2.7.05, 2.9.05, 2.11.05

macromolecule

polymer

monomer

covalent bond

ionic bond

hydrogen bond

van der Waals bond

hydrophobic bond

polar molecule

non-polar molecule

electronegativity

condensation

hydrolysis

lipids

triglyceride

phospholipid

membrane

saturated fat

unsaturated fat

steroid

carbohydrate

monosaccharide

disaccharide

polysaccharide

glycosidic linkage (bond)

nucleic acids

nucleotide

ribose

deoxyribose

base

polarity

linear order

base pairing

sugar-phosphate backbone

double helix

metabolism

catabolic reaction

anabolic reaction

protein

amino acid

peptide bond

chaperonin

protein folding

primary protein structure

secondary protein structure

tertiary protein structure

quaternary protein structure

potential energy

kinetic energy

enthalpy

free energy

entropy

ΔG

spontaneous reaction

equilibrium

Keq

Reaction rate

Catalyst

Transition state

Activation energy

Enzyme

Substrate

Cofactor

Coenzyme

Prosthetic group

Competitive inhibitor

Non-competitive inhibitor

Allostery

Irreversible inhibitor

Feedback regulation

Homeostasis

ATP

NAD+

Redox reaction

Glycolysis

Respiration