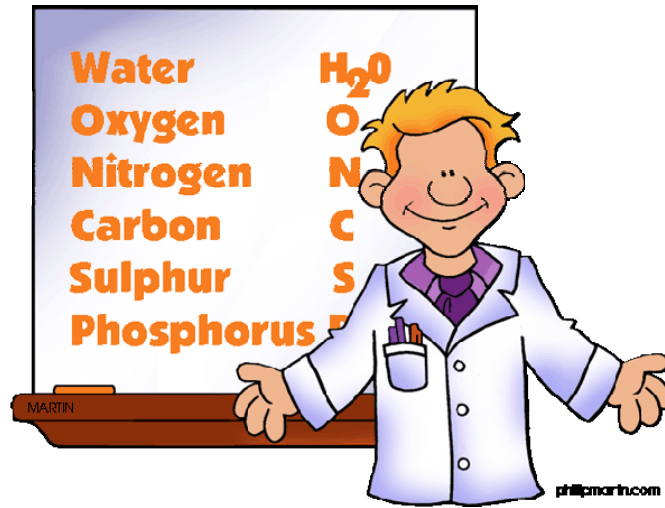


Biochemistry Learning Targets and Essential Vocabulary



- ✓ *name and describe* the functions of the four groups of organic compounds found in living things. (Carbohydrates, Lipids, Proteins, & Nucleic Acids)
- ✓ describe how polymers are built from monomers (dehydration synthesis) and *provide examples* of such reactions.
- ✓ *explain* how enzymes work to speed up metabolic reactions.
- ✓ *interpret* graphs showing how variables (i.e., pH, temperature, or salinity) affect enzyme activity.
- ✓ *determine* the effects of a variable (i.e., pH, temperature, or salinity) on the rate of enzymatic activity.

acid (acidic)

amino acid

base (basic)

carbohydrate

dehydration synthesis
(condensation)

disaccharide

enzyme

fat

hydrolysis

induced fit

lipid

lock-and-key model

metabolism

monomer

monosaccharide

nucleic acid

nucleotide

pH

phospholipid

polymer

polysaccharide

protein

salinity

steroid