

## Unit 2 Chemistry of Life Chemistry of Life (p. 148-174)

Online Textbook <http://www.glencoe.com/ose>

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### Learning Targets/Objectives

- I can draw atom models and identify the proton, neutron, and electron number in an atom.
- I can differentiate between ionic and covalent bonds.
- I can identify the 6 most common elements in living things.
- I can identify the specific elements in each of the organic macromolecules.
- I can describe the individual subunits in each of the organic molecules.
- I can recognize the structural formulas of each organic molecule.
- I can identify examples of the organic macromolecules.
- I can summarize the major functions of each organic macromolecule.
- I can predict what would happen to my body if certain organic macromolecules were not available.
- I can describe hydrolysis and dehydration.
- I can differentiate between reactants and products in a chemical reaction.
- I can identify how organic molecules are broken down and made.
- I can describe the polar property of water.
- I can summarize the importance of water.
- I can explain why hydrogen bonds form.
- I can differentiate between acids and bases.
- I can summarize the functions of enzymes.
- I can create a model showing how enzymes function.
- I can explain how pH and/or temperature affects enzyme function