

Test Point make-up – Chp. 2 Biochemistry

Directions: Record information regarding each of the following objectives. Use your book, notes and/or instructor for help as needed.

You will be able to earn up to ½ of the points you missed on the test back towards your test score.

Objectives:

Describe the charge, involvement in bonding, and location in the atom of protons, neutrons, and electrons.

Describe a covalent bond. Explain why some covalent bonds are considered polar.

Describe an isotope and list some ways in which they are used in the real world.

Use a periodic table to determine the atomic number, atomic mass, and symbol for Carbon, Hydrogen, Oxygen, Nitrogen, Sulfur, and Phosphorus. Use the information to determine the number of protons, neutrons and electrons for each of the elements.

Explain the difference between atoms, elements, compounds and molecules.

Describe the properties of carbon that make it so important to life on this planet.

Describe why water is a polar molecule and the properties that result from its polarity.

Describe how polymers (macromolecules) are formed and broken down.

Describe the structures and functions of the four groups of biological molecules (carbohydrates, lipids, proteins, and nucleic acids.)

Compare and contrast saturated and unsaturated fats in terms of physical state at room temperature and source.

Describe the role enzymes play in living things and what affects their function.