

Chapter 2 Edline Quizzes

SECTION 1

1. The idea that life could spring from nonliving matter is called _____.
 - a. Development
 - b. Spontaneous generation
 - c. Homeostasis
 - d. Evolution
2. What was the Independent Variable in Redi's Experiment?
 - a. Color of the broth
 - b. Rotting meat
 - c. Air in the jars
 - d. Covers or no covers on the jars
3. TRUE/FALSE: Bacteria are unicellular organisms
4. TRUE/FALSE: Heterotrophs can make their own food.
5. TRUE/FALSE: Sweating and shivering are examples of ways living things maintain homeostasis

SECTION 2

1. The scientific study of how living things are classified is called _____.
 - a. Development
 - b. Biology
 - c. Taxonomy
 - d. Evolution
2. A genus is divided into _____.
 - a. Species
 - b. Families
 - c. Phyla
 - d. Classes
3. TRUE/FALSE: Linnaeus devised a system of naming organisms called binomial nomenclature.
4. TRUE/FALSE: The gray wolf, *Canis lupus*, and the red wolf, *Canis rufus*, belong to the same species.
5. TRUE/FALSE: The three Domains of life are Bacteria, Archaea, and Animalia.

SECTION 3

1. The basic units of structure in all living things are _____,
 - a. Nuclei
 - b. Tissues

- c. Organelles
 - d. Cells
2. TRUE/FALSE: Cells were discovered using electron microscopes
 3. Which type of microscope did Leeuwenhoek make and use?
 - a. Simple microscope
 - b. Compound microscope
 - c. Scanning electron microscope
 - d. Transmission electron microscope
 4. Which of the following is NOT part of the cell theory?
 - a. Living things are composed of cells
 - b. Cells are too small to see with the naked eye
 - c. Cells are the basic unit of life
 - d. Cells are produced from other cells
 5. TRUE/FALSE: On a microscope, the lenses bend the incoming light rays to magnify the object.

SECTION 4

1. In plant and animal cells, the control center of the cell is the _____.
 - a. Chloroplast
 - b. Cytoplasm
 - c. Nucleus
 - d. Golgi Body
2. TRUE/FALSE: Ribosomes produce proteins
3. TRUE/FALSE: Animal cells have cell walls
4. The _____ are considered to be the “powerhouse” of the cell.
 - a. Endoplasmic reticulum
 - b. Nucleus
 - c. Mitochondria
 - d. Golgi Body
5. From basic to most advanced, cells are organized in the following order:
 - a. Tissues, organ systems, organs
 - b. Tissues, organs, organ systems
 - c. Organ systems, organs, tissues
 - d. Organ systems, tissues, organs