

Cell Biology

Name:

Characteristics of Life Practice Test

Period:

Answer the questions below using your brain. Then, check your answers using Chapter 2.

- _____ 1. What are all living things composed of?
a. only one cell b. one or more cells c. at least 100 cells d. at least a trillion cells
- _____ 2. About how much of the human body is water?
a. 10% b. 50% c. 70% d. 99%
- _____ 3. Which of the following is NOT a stimulus that living things sense and respond to?
a. DNA b. light c. hunger d. sound
- _____ 4. What is DNA?
a. carbohydrate b. protein c. lipid d. nucleic acid
- _____ 5. What is true of all organisms?
a. Organisms grow and develop. c. Organisms grow but never develop.
b. Organisms always remain the same size. d. Organisms always shrink and divide.
- _____ 6. Which of the following characteristics is shared by all organisms?
a. All organisms are composed of two cells. c. All organisms can move.
b. All organisms can smell and taste. d. All organisms have cells that contain DNA.
- _____ 7. What is the smallest functional and structural unit of life?
a. the membrane b. the cell c. the stimulus d. the metabolism
- _____ 8. How do organisms carry out chemical activities of life?
a. through sexual reproduction c. by using energy
b. through asexual reproduction d. by increasing metabolism

Fill in the blanks below using the following terms:

asexual reproduction sexual reproduction

9. Most single-celled organisms produce offspring by _____.
10. In the process of _____, two parents produce offspring with traits of both parents.