

Human and Social Biology

Quiz

Name.....

Section 1

Write whether the statement is **true** or **false** if the statement.

1. _____ All organisms respond to their environment.
2. _____ Some living things do not need energy.
3. _____ All living things get food by eating other organisms.
4. _____ Some organisms consume dead organic matter such as dead leaves.
5. _____ Cells are the basic units of structure and function of all living things.
6. _____ All organisms grow by increasing the number of their cells.
7. _____ All organisms must mate to produce offspring.

Section 2

Read this passage based on the text and answer the questions that follow.

When you exercise on a hot day, you are likely to work up a sweat. Do you know why we sweat? Sweating helps to keep us cool. When sweat evaporates from the skin, it uses some of the body's heat energy. Sweating is one of the ways that the body maintains a stable internal environment. It helps keep the body's internal temperature constant. When the body's internal environment is stable, the condition is called homeostasis.

All living organisms have ways of maintaining homeostasis. They have mechanisms for controlling such factors as their internal temperature, water balance, and acidity. Homeostasis is necessary for normal life processes that take place inside cells. If an organism can't maintain homeostasis, normal life processes are disrupted. Disease or even death may result.

Questions

1. What is homeostasis? How is sweating related to homeostasis?

2. What are some factors for which the body maintains homeostasis?

3. What might happen if the body did not maintain homeostasis?

Section3

Circle the letter of the correct choice.

1. Microscopic organisms include

- A. bacteria
- B. archaea
- C. protists
- D. all of the above

2. Which of the following is a characteristic of all organisms?

- A. multiple cells
- B. need for energy
- C. sexual reproduction
- D. all of the above

3. Living things can do all the following **except**

- A. grow
- B. create energy
- C. responds to stimuli
- D. maintain homeostasis

4. How many cells make up your body?

- A. hundreds
- B. thousands
- C. millions
- D. trillions

4. An example of a producer is a/an

- A. tree
- B. raccoon
- C. mushroom
- D. earthworm

5. Multicellular organisms include

- A. algae
- B. plants
- C. bacteria
- D. two of the above

6. Which statement is true about sexual reproduction?

- A. It involves just one parent
- B. Offspring are identical to the parent
- C. Offspring of both sexes are always produced
- D. none of the above

