

## Assessment

**Quiz****Section: What Is Biology?**

In the space provided, write the letter of the description that best matches the term or phrase.

- |                     |   |
|---------------------|---|
| _____ 1. biology    | a. the study of the human body  |
| _____ 2. ecology    | b. the study of life  |
| _____ 3. genetics   | c. the study of animals   |
| _____ 4. physiology | d. the study of how organisms interact with each other and with the environment |
| _____ 5. zoology    | e. the study of how organisms pass traits to their offspring                    |

In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

- \_\_\_\_\_ 6. What is homeostasis?
- a. the process of maintaining a stable, internal environment
  - b. the process of interacting with the environment
  - c. the process of making offspring identical to parents
  - d. the process of making offspring different from parents
- \_\_\_\_\_ 7. What is metabolism?
- a. the study of the chemistry of life
  - b. the process of carrying out chemical reactions
  - c. the sum of all chemical reactions in an organism
  - d. the ability to capture and store energy
- \_\_\_\_\_ 8. What is the difference between reproduction and heredity?
- a. Reproduction is the process of passing on traits, whereas heredity is the process of producing offspring.
  - b. Reproduction is the process of producing offspring, whereas heredity is the process of passing on traits.
  - c. Reproduction always involves changes in inherited characteristics, whereas heredity does not.
  - d. Heredity always involves changes in inherited characteristics, whereas reproduction does not.
- \_\_\_\_\_ 9. Which of the following is *not* one of the seven properties of life?
- |             |                   |
|-------------|-------------------|
| a. growth   | c. movement       |
| b. heredity | d. responsiveness |