

Skills Worksheet

Directed Reading

Section: What Is Biology?

Read each question, and write your answer in the space provided.

1. What is biology?

2. Describe what is studied in each of the following branches of biology.

biochemistry _____

ecology _____

cell biology _____

genetics _____

evolutionary theory _____

microbiology _____

botany _____

zoology _____

physiology _____

3. What are the seven properties of life?

Complete each statement by writing the correct term or phrase in the space provided.

4. The smallest unit capable of all life functions is the

_____.

5. Organisms make more of their own by _____.

6. The sum of all the chemical reactions carried out in an organism is called

_____.

Directed Reading *continued*

7. The maintenance of a stable internal condition in spite of changes in the external environment is _____.
8. The passing of traits from parent to offspring is _____.
9. The change in the inherited characteristics of species over long periods of time is called _____.

In the space provided, explain how the terms in each pair differ in meaning.

10. reproduction, heredity

11. metabolism, homeostasis
