

## CHAPTER REVIEW: The Concept of Life

# 1

### Know the Terms

Select the most appropriate words from the following list to complete the paragraph.

respiration  
synthesis  
cells  
anaerobic

biology  
metabolism  
energy  
nutrition

aerobic  
homeostasis  
organism  
reproduction

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

\_\_(1)\_\_ is the study of living things. Anything that is alive is called a(n) \_\_(2)\_\_ which is composed of one or more \_\_(3)\_\_ and utilizes \_\_(4)\_\_ to maintain its organization and carry out normal functions.

4. \_\_\_\_\_

5. \_\_\_\_\_

This is derived through the process of \_\_(5)\_\_\_. There are two forms of this in living organisms. One type requires the use of oxygen and is called \_\_(6)\_\_. \_\_(7)\_\_ respiration does not require oxygen. The total of all chemical reactions within an organism is called \_\_(8)\_\_\_.

6. \_\_\_\_\_

7. \_\_\_\_\_

Some of these reactions involve building more complex molecules from less complex ones. This is called \_\_(9)\_\_. In all cases, however, the organism is trying to maintain a constant internal environment called \_\_(10)\_\_\_.

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

Match the word with the correct definition.

a. nutrients  
b. regulation  
c. excretion  
d. sexual reproduction  
e. ingestion

f. life  
g. transport  
h. growth  
i. assimilation  
j. asexual reproduction

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

11. taking in food

12. reproduction involving only one parent

13. removal of wastes from an organism

14. the passing of substances into or out of cells or circulation within an organism.

15. incorporation of materials into an organism

16. reproduction involving two parents

17. the process by which living things increase in size

18. all activities that help maintain homeostasis

19. quality distinguishing organisms from inorganic materials

20. substances an organism takes from its environment