**Characteristics of Life Name:**

**Guiding Questions**

Pages 8 & 9

1. How could we determine whether an advanced, lifelike robot was alive? What’s missing to

make it alive?

2. How do living things differ from nonliving things?

Pages 10 & 11

3. What is the smallest unit of life?

4. In what way is a unicellular organism like a house with various rooms for various functions?

5. What happens in development?

6. What is reproduction?

7. How do many unicellular organisms, such as bacteria reproduce?

Pages 12 & 13

8. What are two examples of external stimuli?

9. What are two internal stimuli that people respond to on a regular basis?

10. How can an external stimulus create an internal stimulus?

11. Why is maintaining homeostasis important to organisms?

12. What happens when an organism cannot maintain homeostasis?

Pages 14 & 15

13. What do cells use energy for?

14. Which organisms get their energy directly from the sun?

15. Which organisms get the Sun’s energy indirectly, and how do they get it?

16. What characteristics do all living things share?

17. What are the six characteristics of life?

18. What are the two kinds of stimuli to which organisms respond?