

## The World of Life Science



As you read Chapter 1, which begins on page 4 of your textbook, answer the following questions.

### Imagine . . . (p. 4)

1. When students from Le Sueur, Minnesota, visited a wildlife refuge, they noticed something very strange. What did they notice?

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### What Do You Think? (p. 5)

Answer these questions in your ScienceLog now. Then later, you'll have a chance to revise your answers based on what you've learned.

### Investigate! (p. 5)

2. What is the purpose of this activity?

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### Section 1: Asking About Life (p. 6)

3. Suppose it is a slightly overcast afternoon and you decide to go fishing with a friend at a nearby stream. What is one example of a life-science question that might pop into your head along the way?

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4. Life science is the study of \_\_\_\_\_ things.

### It All Starts with a Question (p. 6)

5. The existence of one-celled algae, giant redwood trees, and 40-ton whales illustrates the \_\_\_\_\_ of life.

**Chapter 1, continued**

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6. How is the student shown on the left of the page doing life science?

\_\_\_\_\_  
\_\_\_\_\_

**Looking for Answers** (p. 7)

Mark each of the following statements *True* or *False*.

- 7. \_\_\_\_\_ Anyone can be a life scientist.
- 8. \_\_\_\_\_ Life science investigations are done only in a laboratory.
- 9. \_\_\_\_\_ Life scientists study only how organisms function.

**Why Ask Why?** (p. 8)

10. Studying the human genome will help scientists learn about diseases such as cystic fibrosis, which are

\_\_\_\_\_. (contracted or inherited)

11. What is the primary cause of most environmental problems?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

12. Why is Dale Miquelle concerned about trees being cut down?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Review** (p. 9)

Now that you've finished Section 1, review what you learned by answering the Review questions in your ScienceLog.

**Section 2: Thinking Like a Life Scientist** (p. 10)

1. What are the first steps of the scientific method?

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\_\_\_\_\_