

## Investigation and Experimentation

Name:

### Asking About Life

Period:

Use Chapter 1, Section 1 of your textbook to answer the questions below. The word banks can be used to fill out the sentences below them.

life science    living    living things    organism

#### Section 1: Asking About Life (p.8)

- \_\_\_\_\_ 1. What is the usually the first step in becoming a scientist?  
a. drawing a conclusion    b. doing research    c. asking questions    d. solving problems
2. The study of living things is called \_\_\_\_\_ .

#### Starting with a Question (p.8)

3. Algae, redwood trees, and whales are all examples of \_\_\_\_\_ .
4. The word \_\_\_\_\_ means "living thing".
- \_\_\_\_\_ 5. Which of the following would NOT be a good question you could ask about a living thing?  
a. How does it get food?    c. How can I build one?  
b. Where does it live?    d. Why does it behave this way?

#### In Your Own Backyard (p.8)

- \_\_\_\_\_ 6. Which of the following would be a good life science question to ask about an organism?  
a. Can that model airplane fly?    c. Are you happy today?  
b. What is your dog's name?    d. Why do leaves change color in the fall?

#### Touring the World (p.8)

7. Almost anywhere you go in the world, you can find some kind of \_\_\_\_\_ organism.

#### Investigation: The Search for Answers (p.9)

- \_\_\_\_\_ 8. Once you ask a question, what should you do next?  
a. Stop investigating.    c. Start another project.  
b. Come to a conclusion.    d. Look for an answer.

#### Research (p.9)

- \_\_\_\_\_ 9. What is the only kind of information that scientists use?  
a. information from print resources like a textbook  
b. information from reliable sources  
c. information from someone who knows a lot about the subject  
d. information from electronic resources like the World Wide Web



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*turn this page over for more questions*

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**Research / Observation / Experimentation (p.9)**

experimentation   observation   research

10. Looking for information in print and electronic sources is called \_\_\_\_\_ .
11. Doing an experiment designed to answer a question is called \_\_\_\_\_ .
12. Looking carefully at something is called \_\_\_\_\_ .

**Why Ask Questions? (p.10)**

diseases   endangered   food   polio   pollution

13. There used to be a disease that caused people to become paralyzed. However, because life scientists figured out ways to prevent it from spreading, \_\_\_\_\_ has now has been almost completely eliminated from the world.
14. Life scientists learn about \_\_\_\_\_ such as AIDS in order to try to find cures.
15. Some life scientists study ways to make plants grow faster or larger to produce enough \_\_\_\_\_ to feed everyone.
16. One environmental problem that can harm the health of living organisms is \_\_\_\_\_.
17. Scientists study the habitat needs of \_\_\_\_\_ organisms to learn how to help them to survive.