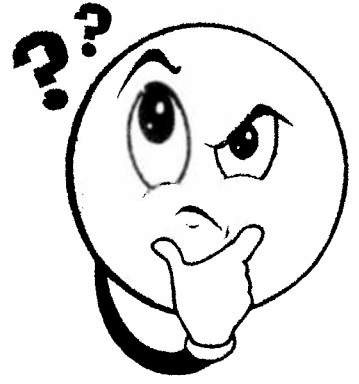


What Is Science? • *Guided Reading and Study*

Why Study Science?

 (pp. 24–29)

Introduction

 (p. 24)

1. Being able to understand scientific principles and think scientifically can help you solve a. _____ and answer many b. _____ in your everyday life.

How Does It Work?

 (p. 25)

2. Is the following sentence true or false? Devices such as computers and credit-card readers have no basis in science. _____
3. Circle the letter of each question about bicycles that knowing science would help you answer.
 - a. How do bicycle gears work?
 - b. What color makes the best-looking bike?
 - c. How do different types of brakes work?
 - d. What materials should bicycle helmets be made of?
4. Is the following sentence true or false? Learning science can help you understand natural events that affect your daily life. _____

How Can I Stay Healthy?

 (p. 26)

5. How could scientific thinking help you evaluate advertised claims for a product that promises improved athletic abilities?

6. Circle the letter of each of the following questions that studying science could help you answer.
 - a. Can going out on a cold, wet day make you sick?
 - b. What would my family like to eat for dinner next Saturday?
 - c. Which exercises are best for you?
 - d. Should you take pills to help your muscles grow stronger?

How Do I Become an Informed Citizen?

 (p. 26)

7. Examples of three public issues that are related to science are
 - a. _____
 - b. _____
 - c. _____and
c. _____.



What Is Science? • *Guided Reading and Study*

Why Study Science? (continued)

What Is the Best Use of Earth's Resources? (p. 27)

- 8. The choice between using paper bags and using plastic bags has something to do with science because the choice involves the best use of Earth's _____.
- 9. Is the following sentence true or false? Learning science can help you make decisions related to the use of Earth's resources. _____

Scientific Literacy (p. 28)

- 10. What does having scientific literacy mean?

- 11. Complete the concept map about scientific literacy.

