

Introduction to Physical Science ▪ *Reading/Notetaking Guide***What Is Physical Science?** (pp. 6–9)

This section describes the skills scientists use to learn about the world. The section also explains the scope of physical science.

Use Target Reading Skills

Before you read, look at the red headings in this section of the textbook. Then complete the graphic organizer by writing each red heading and a question about that topic. Answer your questions as you read.

What is Physical Science?		
Heading	Question	Answer
Skills Scientists Use		

Skills Scientists Use (p. 7)

1. What are three skills scientists use to learn more about the world?

2. What is observing?

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3. Explain the differences between qualitative and quantitative observations.

4. What is inferring?

5. Circle the letter of each item that is true about inferences.

- a. Inferences are based on reasoning from what you already know.
- b. Making an inference involves guessing.
- c. An inference is an interpretation of observations.
- d. People make inferences all the time.

6. Making a forecast of what will happen in the future based on past experience or evidence is called _____.

7. How are inferring and predicting related?

The Study of Matter and Energy (pp. 8–9)

8. What is matter?

9. What is energy?

10. What are the two main areas that physical science is divided into?
