

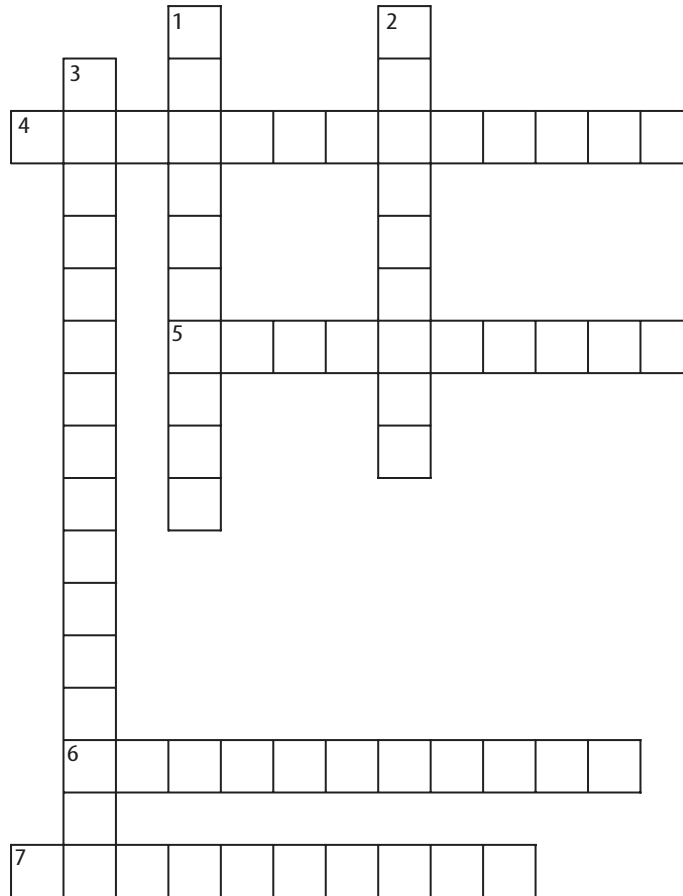
**Content Practice A**

**LESSON 1**

**Understanding Science**

**Directions:** Complete the crossword puzzle with the correct terms from the word bank.

- |                       |                          |                    |                   |
|-----------------------|--------------------------|--------------------|-------------------|
| <b>hypothesis</b>     | <b>inference</b>         | <b>observation</b> | <b>prediction</b> |
| <b>scientific law</b> | <b>scientific theory</b> | <b>technology</b>  |                   |



**Across**

- 4.** describes a pattern or an event in nature that is always true
- 5.** the practical use of scientific knowledge, especially for industrial or commercial use
- 6.** using one or more senses to gather information and notice what occurs
- 7.** a possible explanation about an observation that can be tested by scientific investigations

**Down**

- 1.** a statement about what will happen next in a sequence of events
- 2.** a logical explanation of an observation that is drawn from prior knowledge or experience
- 3.** an explanation of observations or events based on knowledge gained from many observations and investigations

**Content Practice B**

**LESSON 1**

**Understanding Science**

**Directions:** *On the line before each question, write L if the question might be asked by a life scientist, E if the question might be asked by an Earth scientist, or P if the question might be asked by a physical scientist.*

- 1. \_\_\_\_\_ How do rocks form?
  
- 2. \_\_\_\_\_ How does an object's motion change?
  
- 3. \_\_\_\_\_ What substances are in soil?
  
- 4. \_\_\_\_\_ Why does a liquid change to a solid?
  
- 5. \_\_\_\_\_ How do plants produce their own food?
  
- 6. \_\_\_\_\_ Why do some animals give birth to live young and others lay eggs?
  
- 7. \_\_\_\_\_ How are force and motion related?
  
- 8. \_\_\_\_\_ How are reptiles and birds related?
  
- 9. \_\_\_\_\_ What causes earthquakes?

**Directions:** *Answer each question or respond to each statement on the lines provided.*

10. What is science?

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11. Give an example of how you can use scientific inquiry to solve a real-life problem.

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