 **LESSON 1**

**Content Practice A**

***Understanding Science***

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

|  |  |  |  |
| --- | --- | --- | --- |
| **hypothesis** | **inference** | **observation** | **prediction** |
| **scientific law** | **scientific theory** | **technology** |  |



**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

Scientific Explanations **9**

Name Date Class



 **LESSON 1**

**Content Practice B**

***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?

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