

Lesson Review

Vocabulary

Fill in the blank with the term that best completes the following sentences.

- 1 A(n) _____ determines what will be tested in a scientific experiment.
- 2 All of the _____ gathered in an investigation must be recorded.
- 3 A good scientific _____ can be repeated by someone else and the same results will be found.

Key Concepts

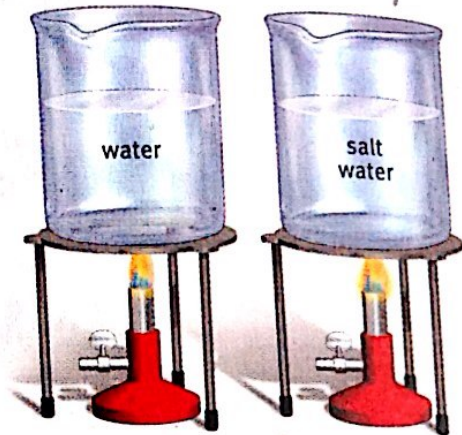
Example	Scientific Method
<p>4 Identify Scientists use instruments to record the strength of earthquakes in an area.</p>	
<p>5 Identify Scientists decide that in an experiment on fish, all the fish will be fed the same amount of food.</p>	

6 Identify What are two key characteristics of a good scientific investigation?

7 Explain Why is it important for scientists to share information from their investigations?

Critical Thinking

Use this drawing to answer the following questions.



8 Analyze Which variable changes in the investigation depicted in the drawing?

9 Conclude Identify one variable that is kept constant for both groups in this experiment.

10 Infer What kind of data might be collected for this experiment?

11 Evaluate Which is less likely to be a reliable source of information, the webpage of a university or the webpage of a scientist who is trying to sell a new invention? Explain.
