

What Is Life Science? ▪ *Review and Reinforce*

Scientific Inquiry

Understanding Main Ideas

Answer the following questions on a separate sheet of paper.

1. What is a scientific question?
2. What makes a hypothesis testable?
3. Why is it important to control variables in an experiment?
4. When you begin an experiment, why should you create a table to record your data?
5. When you make a conclusion about an experiment, what do you need to consider?

Building Vocabulary

Fill in the blank to complete each statement.

6. A(n) _____ is a possible explanation for a set of observations or an answer to a scientific question.
7. Factors that can change in an experiment are called _____.
8. The sharing of ideas and experimental findings with others through writing and speaking is called _____.
9. Facts, figures, and other evidence gathered through observations are called _____.
10. The factor that may change in response to the manipulated variable is called the _____.
11. An experiment in which only one variable is manipulated at a time is called a(n) _____ experiment.
12. The process of _____ refers to the diverse ways in which scientists study the natural world and propose explanations based on the evidence they gather.
13. A(n) _____ is a statement that describes how to measure a particular variable or define a particular term.
14. The one variable that is purposely changed to test a hypothesis is called the _____.