

**What Is Life Science? ▪ 1.3 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 \_\_\_\_\_.