Chapter 2 Preview Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Directions: Write “correct” in the blank following the statement if the statement is true. If the statement is false, cross out the italicized word(s) and write the word(s) in the blank to make the statement true. Also, preceding the statement, write in the page number(s) where this information is found in the text.

**Page**

\_\_\_\_\_1. The *scientific method* is a strategy used in science to solve problems.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_2. *Observing* is the use of our senses to obtain information.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_3. A *control* is a possible explanation to a given set of observations.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_4. A factor that could affect the results of an experiment is called a *variable*. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_5. Any hypothesis that withstands repeated testing may become part of a *fact*. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_6. A *model* is a simplified version of an actual object, system, process, or idea. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_7. The *mass* of an object on Earth will be one-sixth of that value on the moon. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_8. You need to combine SI base units to create *derived* units. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_9. Density is the ratio of mass to *distance*. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_10. Conversion factors are used to change the *amounts* in which a value is measured. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_11. The *precision* of a measurement is how close the measurement is to the true value.\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_12. The “*certain figures*” of a measurement or a calculation consist of all the digits known as well as one estimated digit. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_13. It is helpful to write very large or very small numbers in *scientific notation*. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_14. In a graph, a downward sloping line or curve shows that the two values being compared are *inversely* proportional. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Directions: Answer questions #7 and #10 on page 64 in your text.

7. a.\_\_\_\_\_\_\_\_\_\_\_\_\_ b. \_\_\_\_\_\_\_\_\_\_\_\_\_ c. \_\_\_\_\_\_\_\_\_\_\_\_\_ d. \_\_\_\_\_\_\_\_\_\_\_\_\_ e. \_\_\_\_\_\_\_\_\_\_\_\_\_

10.