Chapter 1 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. *Science* is the study of the natural world and the living things in it. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_2. *Biology* is the study of matter and its processes. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_3. A *chemical* is any substance that has a definite composition. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_4. *Organic* Chemistry is the study of the properties ad changes in matter in relation to energy.\_\_\_\_\_\_\_\_\_

\_\_\_\_\_5. *Weight* is defined as anything that has mass and takes up space.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_6. An *electron* is the smallest unit of an element that maintains the properties of that element.\_\_\_\_\_\_\_\_

\_\_\_\_\_7. A molecule is the smallest part of a *compound* that maintains the properties of that compound.\_\_\_\_\_

\_\_\_\_\_8. Solids, liquids, and *crystals* are the three common states of matter. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_9. Ice melting is an example of a *chemical* change. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_10. The decomposition of water into the elements oxygen and hydrogen would be an example of a *chemical* change. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_11. *Elements* cannot be decomposed into simpler substances. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_12. Air is a *compound,* pure water is not. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_13. Materials in a *homogeneous* mixture are not evenly mixed.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_14. A *mixture’s* components can be present in varying proportions, but a compound has a definite compostion.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_15. The Periodic Table organizes *compounds* by their predictable properties. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Directions: Answer questions #1-5 on page 29 of your text.

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_ 4. \_\_\_\_\_ 5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_