

Name \_\_\_\_\_  
Period \_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

## 1 • Introduction to Chemistry

### OBSERVATIONS, INFERENCES, & EXPERIMENTAL DESIGN

For each of the following statements tell whether it is an observation or an inference.

1. Grape juice causes stains on white fabric.
2. When grape juice is spilled on white fabric, a purple color appears on the fabric. The purple color is not removed by normal laundering.
3. The height of a plant is 21.3 cm.
4. Plant food makes plants grow taller.
5. A chemical reaction produces 5.1 mL of carbon dioxide in 3 minutes at 20 °C.
6. A chemical reaction produces 2.6 mL of carbon dioxide in 3 minutes at 15 °C.