

REVIEW AND REINFORCEMENT GUIDE
CHAPTER 1 ■ General Properties of Matter

SECTION

1-1**Matter**

(pages 12-14)

KEY CONCEPTS

- ▲ All matter has the general properties of mass, weight, volume, and density.

■ Vocabulary Skills: Applying Definitions

Decide whether each of the following sentences describes a general property of matter or a specific property of matter. If the sentence describes a general property, write GP in the blank before the number. If the sentence describes a specific property, write SP.

- _____ 1. The stone is smooth and round.
- _____ 2. A lemon is yellow and tastes sour.
- _____ 3. According to the scale, my puppy is 4 kilograms.
- _____ 4. We went to the store and bought a 5-newton bag of cat litter.
- _____ 5. I asked the grocer for a liter of springwater.
- _____ 6. Cork is less dense than water; that is why a cork floats.
- _____ 7. Ice is cold and hard.
- _____ 8. The liquid in the bottle had a strange odor.
- _____ 9. The square sheet of paper was red on one side and white on the other side.
- _____ 10. The 100-gram piece of metal just balances the rock on the scale.

General Properties of Matter: Understanding the Main Ideas

In the paragraph below, many references are made to the general properties of matter. As you read the paragraph, underline each reference to these general properties. Then, in the space that follows, list and explain each item that you underlined.

We went to the supermarket and bought a 5-kilogram bag of birdseed. Then, we bought a bag of potatoes weighing 50 newtons. We bought two liters of milk, and a 650-milliliter carton of orange juice. We asked for two straws to go with the orange juice, thinking that we would drink the juice on the way home. Much to our surprise, we found that someone had put the orange juice in the freezer and that it was about two-thirds frozen. Since ice is less dense than water, the frozen part of the juice was on top. Finally, we decided to poke our straws through the ice and drink as much juice as we could. When the rest of the juice finally thawed, we found that we had about 400 milliliters left.

- _____ 1. The stone is smooth and round.
- _____ 2. A lemon is yellow and tastes sour.
- _____ 3. According to the scale, my puppy is 4 kilograms.
- _____ 4. We went to the store and bought a 5-kilogram bag of cat litter.
- _____ 5. I asked the grocer for a liter of sparkling water.
- _____ 6. Ice is less dense than water, that is why a cork floats.
- _____ 7. Ice is cold and hard.
- _____ 8. The liquid in the bottle had a strange odor.
- _____ 9. The square sheet of paper was folded on one side and white on the other side.
- _____ 10. The 100-gram piece of metal just balances the rock on the scale.