

## What is density?

### Lesson Review

Write *true* if the statement is true. If the statement is false, change the underlined term to make the statement true. Write your answers in the spaces provided.

- \_\_\_\_\_ 1. Density is a chemical property of matter.
- \_\_\_\_\_ 2. All substances have a density that can be measured.
- \_\_\_\_\_ 3. Gold is less dense than water.
- \_\_\_\_\_ 4. Density is the weight per unit volume of a substance.
- \_\_\_\_\_ 5. If you cut a block of wood in half, its density will decrease.
- \_\_\_\_\_ 6. The density of a particular substance is always the same.
- \_\_\_\_\_ 7. If a substance has a low density, a large mass fits into a small volume.
- \_\_\_\_\_ 8. Density is usually measured in g/cm<sup>3</sup>.

### Skill Challenge

**Skills:** *identifying, comparing, relating, applying*

1. In what units is density measured? \_\_\_\_\_
2. How can you use a balance scale and a metric ruler to find the density of a rectangular solid?  
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\_\_\_\_\_
3. What is the relationship between a cubic centimeter and a milliliter? \_\_\_\_\_  
\_\_\_\_\_
4. What measurement of a liquid can you make with a graduated cylinder? How can this measurement help you find density? \_\_\_\_\_  
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