Name _____ Class_____Date_____

Skills Worksheet

Section Review

What Is Matter?

USING KEY TERMS

1. Use the following terms in the same sentence:*volume* and *meniscus.*

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2. In your own words, write a definition for each of the following terms: *mass, weight,* and *inertia.*

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UNDERSTANDING KEY IDEAS

_____ 3. Which of the following is matter?
   a. dust
   b. the moon
   c. strand of hair
   d. All of the above

_____ 4. A graduated cylinder is used to measure
   a. volume.
   b. weight.
   c. mass.
   d. inertia.

_____ 5. The volume of a solid is measured in
   a. liters.
   b. grams.
   c. cubic centimeters.
   d. All of the above

_____ 6. Mass is measured in
   a. liters.
   b. centimeters.
   c. newtons.
   d. kilograms.

7. Explain the relationship between mass and inertia.

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MATH SKILLS

8. A nugget of gold is placed in a graduated cylinder that contains 80 mL of water. The water level rises to 225 mL after the nugget is added to the cylinder. What is the volume of the gold nugget? Show your work below.

9. One newton equals about 100 g on Earth. How many newtons would afootball weigh if it had a mass of 400 g? Show your work below.

CRITICAL THINKING

10. **Identifying Relationships** Do objects with large masses always have large weights? Explain.

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11. **Applying Concepts** Would an elephant weigh more or less on the moon than it would weigh on Earth? Explain your answer.

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