

Section Review

What Is Matter?

USING VOCABULARY

1. Use *volume* and *meniscus* in the same sentence.

2. Write an original definition for *matter*, *mass*, and *weight*.

UNDERSTANDING CONCEPTS

3. **Identifying** What units can be used to express the volume of a solid?

CRITICAL THINKING

4. **Evaluating Data** A nugget of gold is placed in a graduated cylinder that contains 85 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?

Section Review *continued*

5. Identifying Relationships Do objects that have large masses always have large weights? Explain your answer.

MATH SKILLS

Interpreting Graphics

The table below lists measurements for three blocks of wood. Use the table to answer the next two questions.

Wood block	Area of the base (m ²)	Height (m)
B1	36	4
B2	16	9
B3	A	12

6. Analyzing Shapes Find the volume of B1 and of B2. Show your work below.

7. Analyzing Shapes If the three blocks have equal volumes, what is A, the area of the base of B3? Show your work below.

