Skills Worksheet

# **Section Review**

## **Tools and Models in Science VOCABULARY**

**1.** Use *volume*, *density*, and *mass* in separate sentences.

**2.** Write an original definition for the term *model*.

### **UNDERSTANDING CONCEPTS**

**3.** Identifying Which SI unit would you use to express the height of your desk?

4. Summarizing Explain the relationship between mass and density.

**5. Listing** What is normal body temperature in degrees Fahrenheit and degrees Celsius?

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<b>6. Applying</b> What kind o	f model would you use to re	present the human heart?
7. Comparing Explain th	e difference between a theo	ry and a law.
<b>8. Analyzing Methods</b> Bo Earth. Give an examp	oth a globe and a flat world n le of when you would use ea	nap can model features of ach of these models.

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## **INTERPRETING GRAPHICS**

Use the image in the book showing water temperature variations to answer the next three questions.

**9. Applying Concepts** These models were created with data from satellite images. What are some possible uses for these models?

**10. Evaluating Sources** How accurately could you predict water temperature for a specific location on the California coast?

**11. Analyzing Processes** What is a possible limitation of these models?

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### **MATH SKILLS**

12. Using Equations What is the density of an object whose mass is 36 g and whose volume is 12 cm<sup>3</sup>? Show your work below.

## **CHALLENGE**

13. Identifying Relationships For a science fair, you want to make a model of the moon orbiting Earth by using two different balls. The diameter of the ball that will represent Earth will be about 62 cm. You want your model to be to scale. If Earth is about four times wider than the moon is, what should the diameter of the ball that represents the moon be?



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