

# Metric Mania

Name \_\_\_\_\_

## Lesson 3: Volume

1. Which is longer? Circle your choice for each one.

1 liter or 1 gallon

1 liter or 1 quart

1 milligram or 1 fluid ounce

2. Complete each statement.

1 gallon = \_\_\_\_\_ liters    1 fl oz = \_\_\_\_\_ ml    1 quart = \_\_\_\_\_ liters

3. \_\_\_\_\_ is the amount of space an object takes up.

4. The base unit of volume in the metric system in the \_\_\_\_\_ and is represented by \_\_\_\_ or \_\_\_\_.

5. 1 liter is equal to one cubic \_\_\_\_\_

6. Complete each statement.

1 L = \_\_\_\_\_ mL

1 mL = \_\_\_\_\_ cm<sup>3</sup> (or cc) = \_\_\_\_\_ gram\*

7. Which is larger? Circle your choice for each one.

A. 1 liter or 1500 milliliters

B. 200 milliliters or 1.2 liters

C. 12 cm<sup>3</sup> or 1.2 milliliters\*

8. What instrument will we use to find liquid volume? \_\_\_\_\_

9. What is the name of the curve you see at the top of a liquid in a cylinder? \_\_\_\_\_

10. What is the volume of liquid in each cylinder?

A. \_\_\_\_\_

B. \_\_\_\_\_

C. \_\_\_\_\_

11. What formula do we use to find the volume of regular objects?

Volume = \_\_\_\_\_ X \_\_\_\_\_ X \_\_\_\_\_

12. What is the volume of the cube? \_\_\_\_\_ X \_\_\_\_\_ X \_\_\_\_\_ = \_\_\_\_\_

13. How do we find the volume of an irregular object using a graduated cylinder? \_\_\_\_\_

14. What is the volume of the rock? \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_