**NAME:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PERIOD:\_\_\_\_\_ DATE:\_\_\_\_\_\_\_\_\_\_\_\_\_**

**DISCOVERING THE METRIC SYSTEM**

A. Closely observe a meter stick and answer the questions below.

1. How many of the smallest units are marked? \_\_\_\_\_\_\_\_\_\_
2. How many of the next smallest units are marked? \_\_\_\_\_\_\_\_\_\_
3. How many of the largest units are marked? \_\_\_\_\_\_\_\_\_\_
4. How many of the smallest units make up the next smallest units? \_\_\_\_\_\_\_\_\_\_
5. How many of the smallest units make up the largest units? \_\_\_\_\_\_\_\_\_\_
6. How many of the next smallest units make up the largest units? \_\_\_\_\_\_\_\_\_\_
7. What are the prefixes for the smallest (\_\_\_\_\_\_\_\_\_\_), next to smallest (\_\_\_\_\_\_\_\_\_\_), and largest units (\_\_\_\_\_\_\_\_\_\_\_) of a meter stick?
8. What pattern do the units follow? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

B. Compare a meter stick with a yard stick and answer the questions below.

1. Which one is longer? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. How many feet and inches make up a yard stick? \_\_\_\_\_\_\_\_\_\_ft. \_\_\_\_\_\_\_\_\_\_in.
3. How many millimeters and centimeters make up a yard stick? \_\_\_\_\_\_\_\_\_\_mm \_\_\_\_\_\_\_\_\_\_cm
4. How many millimeters and centimeters are in an inch? \_\_\_\_\_\_\_\_\_\_mm \_\_\_\_\_\_\_\_\_\_cm
5. How many millimeters and centimeters are in a foot? \_\_\_\_\_\_\_\_\_\_mm \_\_\_\_\_\_\_\_\_\_cm
6. There are 5,280 feet in a mile and 1,000 meters in a kilometer. Calculate the number of miles in one kilometer, 10 kilometers, and 100 kilometers? \_\_\_\_\_\_\_\_\_\_mi \_\_\_\_\_\_\_\_\_\_mi \_\_\_\_\_\_\_\_\_\_mi
7. Which would you find easier to use a yard stick or meter stick? Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

C. Closely observe a graduated cylinder.

1. What are graduated cylinders used to measure? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What is the value of each hash mark? \_\_\_\_\_\_\_\_\_
3. What is the maximum volume that can be measured? \_\_\_\_\_\_\_\_\_\_
4. What is the smallest measurement that can be measured? \_\_\_\_\_\_\_\_\_\_