

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_



### SI Units



Scientists all over the world use the same system of units so they can communicate information clearly. This system of measurement is called the **International System of Units (SI)**. Metric measurement is based on the number ten and makes calculations with the system relatively easy. By using the following conversion chart, converting from one unit to another is done simply by moving the decimal point:

**Kilo-**      **Hecto-**      **Deca-**      \_\_\_\_\_      **deci-**      **centi-**      **milli-**

The blank line in the middle of the conversion chart can change depending on what we are measuring:

The unit for length is the meter (m).

The unit for mass is the gram (g).

The unit for volume is the liter (L).

#### PART A

*What type of measurement is indicated by each of the following units? Choices are in the last column.*

- |               |                          |                            |         |
|---------------|--------------------------|----------------------------|---------|
| 1. g/mL _____ | 4. g _____               | 7. mg _____                | density |
| 2. s _____    | 5. cm <sup>3</sup> _____ | 8. L _____                 | length  |
| 3. km _____   | 6. mm _____              | 9. g/cm <sup>3</sup> _____ | mass    |
|               |                          |                            | time    |
|               |                          |                            | volume  |