

Name: _____ Date: _____
Chemistry

Worksheet



SI, Metric and Derived Units

Directions: Complete the following.

1. Why do scientists use a common system of measurement?

2. Explain accuracy and precision.

3. What is the fundamental scientific measuring system?

4. What is the metric system based on? _____

5. What is the metric unit for the following characteristics?

mass _____ length _____ volume _____
time _____ temperature- _____

6. What do the following prefixes mean?

kilo- _____ centi- _____ milli- _____ micro- _____

7. Finish the conversion rule below.

Large to small _____ move _____
small to large _____ move _____

8. How many mL in 3.5 liters? _____

9. How many kg in 2350 grams? _____

**"Knowing is not enough; we must apply. Willing is not enough; we must do."
- Johann Wolfgang von Goethe**