# Chemistry I-Standard

# Metric Conversions Practice

# Complete the following diagram with the metric prefixes. Please include the full name and abbreviation.

**Basic Unit**

To convert to a larger unit, move

decimal point to the left or divide divide.

To convert to a smaller unit, move decimal point to the right or multiply.

## Write the correct abbreviation for each metric unit.

1) Kilogram

4) Milliliter

7) Kilometer

2) Meter

5) Millimeter

8) Centimeter

3) Gram

6) Liter

9) Milligram

## Convert each of these:

1) 2000 mg = g 6) 5 L = mL 11) 16 cm = mm

2) 104 km = m 7) 198 g = kg 12) 2500 m = km

3) 480 cm = m 8) 75 mL = L 13) 65 g = mg

4) 5.6 kg = g 9) 50 cm = m 14) 6.3 cm = mm

5) 8 mm = cm 10) 5.6 m = cm 15) 120 mg = g

## Compare using <, >, or =.

16) 63 cm 6 m 17) 5 g 508 mg 18) 1,500 mL 1.5 L

19) 536 cm 53.6 dm 20) 43 mg 5 g 21) 3.6 m 36 cm