

## KEY - CHEM METRIC CONVERSIONS – Practice #1

Directions: Fill in the appropriate numbers in the fractions below.

Write the names of each unit next to the fraction. You must do this on your own.

EXAMPLE:  $\frac{\quad}{\quad} \frac{\text{L}}{\text{mL}}$

ANSWER:  $\frac{1}{1000} \frac{\text{L}}{\text{mL}}$       liter  
milliliter

1)  $\frac{1000}{1} \frac{\text{mm}}{\text{m}}$

7)  $\frac{1}{10} \frac{\text{daL}}{\text{L}}$

2)  $\frac{1}{10} \frac{\text{L}}{\text{dL}}$

8)  $\frac{1}{10^6 \text{ or } 1,000,000} \frac{\text{m}}{\mu\text{m}}$

3)  $\frac{1000}{1} \frac{\text{g}}{\text{kg}}$

9)  $\frac{1}{100} \frac{\text{g}}{\text{cg}}$

4)  $\frac{1}{100} \frac{\text{hmol}}{\text{mol}}$

10)  $\frac{1}{10} \frac{\text{mol}}{\text{dmol}}$

5)  $\frac{100}{1} \frac{\text{cs}}{\text{s}}$

11)  $\frac{10^6 \text{ or } 1,000,000}{1} \frac{\mu\text{g}}{\text{g}}$

6)  $\frac{100}{1} \frac{\text{cg}}{\text{g}}$

12)  $\frac{1}{1000} \frac{\text{km}}{\text{m}}$