Metrics Reinforcement (2.1) Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Chem 332 – O’Dette Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_

Write the correct metric unit and (symbol) that we use for each of the following measurements:

1. Length: \_\_\_\_\_\_\_\_\_\_\_ ( ) 2) Volume: \_\_\_\_\_\_\_\_\_\_\_\_ ( )
2. Mass: \_\_\_\_\_\_\_\_\_\_\_ ( ) 4) Temperature: \_\_\_\_\_\_\_\_\_\_\_\_ ( )

Answer the following questions to review the details and application of the metric system. Show how you moved the decimal, and explain why you moved it in the direction you did.

 Sample) Convert 6.5 cm to km 0.000065 kL

Why did you move the decimal point that way?

A km is a larger unit than a cm. That means I am converting to a larger unit, which requires me to move the decimal to the left.

1. Convert 0.851 L to mL

Why did you move the decimal point that way?

1. Convert 0.765 g to kg

Why did you move the decimal point that way?

1. Covert 1.34 g to mg

Why did you move the decimal point that way?

1. Convert 2.56 m to km

Why did you move the decimal point that way?



1. Convert 5.13 m to mm

Why did you move the decimal point that way?