

CHEM 106 Chapter 2 Conversions

Metric System

1. Provide the numbers to make each metric equality equal.

$$1 \text{ mg} = \underline{\hspace{2cm}} \text{ g}$$

$$\underline{\hspace{2cm}} \text{ kg} = \underline{\hspace{2cm}} \text{ g}$$

$$\underline{\hspace{2cm}} \text{ cm} = \underline{\hspace{2cm}} \text{ m}$$

$$\underline{\hspace{2cm}} \text{ L} = \underline{\hspace{2cm}} \mu\text{L}$$

$$1 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$$

$$\underline{\hspace{2cm}} \text{ nm} = \underline{\hspace{2cm}} \text{ m}$$

$$\underline{\hspace{2cm}} \text{ s} = \underline{\hspace{2cm}} \text{ Ms}$$

ONE STEP CONVERSIONS

2. Convert each:

a. 10.2 cm to m

b. 12 fl oz to pt

c. 355.0 mL to L

MULTISTEP CONVERSIONS

3. Convert each:

a. 259 grams = _____ oz

b. 2h, 20 min = _____ μ s

c. 5 ft, 7.5 in = _____ cm

d. 12 fl oz = _____ mL