

# CONVERSION PRACTICE SHEET

Name: \_\_\_\_\_

## **Metric Conversion Practice**

### 1. Length Conversions

- a)  $254.3 \text{ m} =$  \_\_\_\_\_  $\text{km}$       b)  $30.5 \text{ cm} =$  \_\_\_\_\_  $\text{mm}$   
c)  $0.05 \text{ m} =$  \_\_\_\_\_  $\text{cm}$       d)  $4505.0 \text{ }\mu\text{m} =$  \_\_\_\_\_  $\text{mm}$

### 2. Volume Conversions

- a)  $20.0 \text{ L} =$  \_\_\_\_\_  $\text{mL}$       b)  $7.98 \text{ mL} =$  \_\_\_\_\_  $\text{L}$   
c)  $22.5 \text{ kL} =$  \_\_\_\_\_  $\text{L}$       d)  $1.02 \text{ L} =$  \_\_\_\_\_  $\text{mL}$

### 3. Mass Conversions

- a)  $200.0 \text{ mg} =$  \_\_\_\_\_  $\text{g}$       b)  $350.8 \text{ g} =$  \_\_\_\_\_  $\text{kg}$   
c)  $0.5 \text{ Mg} =$  \_\_\_\_\_  $\text{kg}$       d)  $35480.0 \text{ mg} =$  \_\_\_\_\_  $\text{kg}$

## **Significant Digits Practice**

### 1. Count the significant digits

- a)  $863000$  \_\_\_\_\_      b)  $0.00035$  \_\_\_\_\_  
c)  $0.026500$  \_\_\_\_\_      d)  $650300$  \_\_\_\_\_

## **Rounding Off Practice**

### 1. Round the following numbers to 4 significant digits

- a)  $8963.23$  \_\_\_\_\_      b)  $54.236$  \_\_\_\_\_  
c)  $9.23399$  \_\_\_\_\_      d)  $753.358$  \_\_\_\_\_  
e)  $5462.59$  \_\_\_\_\_      f)  $23.205$  \_\_\_\_\_

## **Scientific Notation Practice**

### 1. Rewrite the number in scientific notation

- a)  $900000$  \_\_\_\_\_      b)  $0.0008$  \_\_\_\_\_  
c)  $0.0000032$  \_\_\_\_\_      d)  $60300000000000000$  \_\_\_\_\_

### 2. Rewrite the number in decimal notation

- a)  $3 \times 10^4$  \_\_\_\_\_      b)  $2 \times 10^7$  \_\_\_\_\_  
b)  $6 \times 10^{-9}$  \_\_\_\_\_      d)  $9.76 \times 10^{-5}$  \_\_\_\_\_