

**Metric Prefixes**

One \_\_\_\_\_ thing equals \_\_\_\_\_ things.

Prefix	Abbreviation	One smaller =	many larger
centi-	( )	1 g =	
kilo-	( )	1 kg =	
Mega-	( )	1 Mg =	
deci-	( )	1 g =	
milli-	( )	1 g =	
micro-	( )	1 g =	

Prefix Questions

- \_\_\_\_\_ m = 1 km
  - \_\_\_\_\_ km = 1 m
- Which is larger?
- milliliter or centiliter
  - kilogram or megagram
  - millimeter or kilometer
  - a penny = 1 \_\_\_\_\_ dollar
  - a dime = 1 \_\_\_\_\_ dollar
  - a megabuck = \_\_\_\_\_ dollars
  - a kilopenny = \_\_\_\_\_ dollars

Prefix and Base Unit Questions

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Conversions:

Convert 152 cm to m

conversion factor— a \_\_\_\_\_ of fact expressed as a  
\_\_\_\_\_ equaling \_\_\_\_\_  
Fact: 1 m = 100 cm

$$\frac{1 \text{ m}}{100 \text{ cm}} \quad \frac{100 \text{ cm}}{1 \text{ m}}$$

Convert \_\_\_\_\_ kg to grams

Convert \_\_\_\_\_  $\mu\text{s}$  to ds

\_\_\_\_\_ mm = \_\_\_\_\_ km

Problem Set One

1)

2)

3)

4)

5)

How many yards are in \_\_\_\_\_ km?

**The Chemistry Quiz**

CR1. \_\_\_\_\_

CR2. \_\_\_\_\_

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

**CHEMISTRY: A Study of Matter**