

## Metric System and Conversions

Name \_\_\_\_\_

Define the following and include the symbol:

centi  $10^{-2}$  or 0.01, c    pico \_\_\_\_\_    micro \_\_\_\_\_

nano \_\_\_\_\_    milli \_\_\_\_\_    mega \_\_\_\_\_

kilo \_\_\_\_\_    deci \_\_\_\_\_    deka \_\_\_\_\_

What are the SI units for the following?

Mass \_\_\_\_\_    length \_\_\_\_\_    volume \_\_\_\_\_

Convert the following:

82.5 mm to cm

25.2 mm to cm

0.464 L to mL

8.24 L to  $m^3$

0.834 cm to  $\mu m$

25.0 hm/hr to km/hr

$8.25 \times 10^{-7}$  m to pm

$3.60 \times 10^{-4}$   $cm^3$  to L

Convert the following from our system of measurement to the metric system.

56.4 in to cm

8.61 oz to mL

65 mi/hr to km/hr

$5.2 \times 10^2$  yrs. to s

42 qt. to mL

13.2 yd. to m