

Date: _____

Units of Measurement SNC2P

Measurements of _____ must be given
_____.

In the SI (*Système international*) metric system, the base units are:

time	
distance	
mass	
electric current	
temperature	

All other physical quantities are measured in units _____ from these.

For example, energy is measured in _____:

Metric _____ are used to indicate a unit that is some _____

_____ than the base unit.

G		
M		
k		
c		
m		
μ		
n		

To convert _____ to the base unit, _____ by this factor.

For example, converting km to m:

2.5 km =

2.5 km =

To convert _____ unit to the prefixed unit, _____ by this factor.

For example, converting m to mm:

0.45 m =

0.45 m =

To convert between _____ units,
we multiply by _____.

Remember:

The unit you want to _____ goes on _____ of the factor.

The unit you want to _____ goes on the _____.

Multiply everything on the top, divide by everything on the bottom.

Example: Convert 15 cm to inches, given that 1 inch = 2.54 cm.

