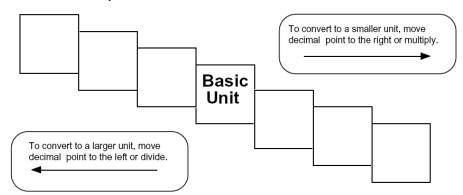
Name:	 	 	 _

Le Système International d'Unités The International System of Units

SI

1.	An exact quantity that people agree to use for comparison is a				
2.	The system of measurement used worldwide in scien	ce is			
3.	SI is based on units of				
4.	The first system of measurement that was based on u	units of ten			
	was the system.				
5.	In SI, are used with the names of the	he base unit to			
	indicate the multiple of ten that is being used with the	e base unit.			
6.	The metric system does not useb	out does use			
	decimals.				
7.	The French invented the	based on			
	the distance from the North Pole to the Equator.				
_					
8.	One was equal to)			
8.	One was equal to 1/10,000,000 the distance from the North Pole to the				
		Equator.			
	1/10,000,000 the distance from the North Pole to the	Equator is the only			

Write the correct prefix in each box.



Try these conversions, using the ladder method.

- 1) 1000 mg = g 3) 1 L = mL 5) 160 cm = mm

- **2)** 14 km = __m **4)** 109 g = ____ kg **6)** 250 m = ___ km

Compare using <, >, or =.

56 cm () 6 m 7 g () 698 mg

Write the correct symbol for each metric unit.

- 1) Kilogram _____ **4)** Milliliter _____ **7)** Kilometer _____

- 2) Meter ____
- 5) Millimeter ____
 - 8) Centimeter

- 3) Gram
- 6) Liter
- 9) Milligram _____

What common base units will we be using in science?

- 1.
- 2. _____

Try these conversions, using the ladder method.

In SI, the base unit of length is the meter. Use this information to arrange the following units of measurement in the correct order from smallest to largest. Write the number 1 (smallest) through 7 (largest) in the spaces provided.

a. kilometer

b. centimeter

c. meter

d. decameter

e. hectometer

f. millimeter

g. decimeter