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Name:	
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Summary of the Metric System

MEASUREMENT			UNITS		TOOLS / EQUIPMENT			
DISTANCE								
1. Lengt	h	Kilom	ieter (kn	n)	1. A	Neter stick		
2. Width	1	M	ETER	(m)	2. Metric ruler			
3. Heigh	t	Centi	meter (cm)	3. Metric wheel or tape			
		Millir	neter (m	im)				
VOLUME					1. Regular-shaped object			
The amount of space an object						V = LxWxH (ruler	•)	
takes up.		L	LITER (I)		2. Irregular-shaped object			
		Millil	Milliliter (ml)		Water displacement method			
					Graduated cylinder			
MASS								
The amount of <u>matter</u> in an		Kilog	Kilogram (kg)		BALANCE			
object.		GI	GRAM (g)		NOT A SCALE			
		Millig	Milligram(mg)		A scale measures weight			
Milli	<u>Centi</u>	Deci	MET	ER	Deka	<u>Hecto</u>	<u>Kilo</u>	
1/1000	1/100	1/10	LITE	R	10X	100X	1000X	
(less than basic unit)			GRA	M	(more than basic unit)			

- Be familiar with the 3 basic types of measurement and their units: Distance (meters), volume (liters), and mass (grams).
- 2. Know the definitions and equipment used to calculate distance, volume and mass.
- 3. Know which method is used to calculate the volume of a regular shaped object (LxWxH) and an irregular object (water displacement).
- 4. Understand which prefixes are larger or smaller than the basic unit and if given a prefix like "kilo" know what it means. Remember the "metric ladder"
- 5. Memorize the metric chart and prefixes on this page or in your notes (page # _____)
- 6. Be able to explain how the weight of an object can change but not the mass. Also understand how the mass of an object can change. (Essay questions)
- 7. Be able to use a metric ruler, graduated cylinder and balance to measure items for the exam.