	5.5	-	THE ABC'S							
			OF	Sci	ENCE	=				
RITHIA	1	2 			4 Cont					

ABC's Lecture 1:

1pt extra credit printing

What are the ABC's Of Science? a. the metric system b. safety c. the scientific method

Let's Talk Metric: Here in America we use an English system: foot, yard,

and mile. However, MOST people use another system called the **International System of**

	ant	system called the In	ternational System	of	Think Met	ric without conversion tables www.think-metric.com					
Units or the (wl	dern	65	THE LIMITED STATES OF AUTHOR								
form of the											
•		units are used to make			Basketball player 200 cm (2 m)						
distance from your desk to my desk could be 25 shoe lengths or 30 shoe lengths. It depends											
on how big the shoe is. Think of Shaq's foot versus Mini-Me. You can see that to use											
practical measurements, a measurement standard HAS to be used. In other words, everyone											
has to use the SAME system or units. Otherwise, it just gets confusing. A											
is a fixed quantity used by everyone when measuring.											
Advantages to using the metric system.											
1: It helps scientists share & their results & observations. If I conducted											
an experiment here in America, even a scientist in Zimbabwe would be able to understand my measurements.											
•	on the number	Changing from one	unit to another is ea	svl	Kilometer (kilometre) is pronounced KiL*-oh-m Tra steel a decied identification pages as 80 M, 200 by 207 on	et-er, with the accent on the FIRST syllable					
Length &	meter (m)		difficultion difference 15 Cd	isy:							
	kilometer (km) decimeter (dm)	1 km = 1,000 m 1 dm = 0.1 m									
	centimeter (cm) millimeter (mm)	1 cm = 0.01 m 1 mm = 0.001 m									
	micrometer (µm) nanometer (nm)	1 μm = 0.000001 m 1 nm = 0.00000001 m									
	Still Confused?										
	simple as we can. V		What are we me	asuring?	Unit	Symbol					
at all of our metric	measurement	as two-	Length			-					
	he first part is the		Volume		liter						
The second part is th	e type of		Mass								
			Temperatu	re	Kelvin						
Try this: 1 kilometer			What unit would you use to measure each of the								
kilo-meter: prefix=kilo	or 1000 unit = meter,	measuring distance	following?								
5 kilometers is equal t	Water in a bottle										
5 x 1000 meters = m 10 x 1000 m = The distance from my classroom to the bathroom						100111					
10 kilometers is equal to m 10 x 1000 m = The amount of heat in the classroom? Kelvin or Cel						n or Celsius					
			How much matter is in a paperclip								
			110W much matter i	s iii a papei							
1 cm	1 mm	Metric System: Lengt	t h The	is the	e SI unit of le	ngth. A meter					
	î i										
is about the distance from a doorknob to the floor. A driver golf club is also about a meter in length. The meter is divided into 100 equal parts called											
There are 100 centimeters in a meter: 100 cm = 1 m. An											
even smaller unit is a millimeter (mm).											
The prefix milli- means 1/1000, so											
Long distances are measured in kilometers (km). Note: here is the US, we measure speed by miles per hour, (mph). In											
most other countries, they measure in kilometers per hour.											
Name 3 things that are about one Name 3 things that are measured in Name 3 things that are small enough											
Name 3 things that	are about one	_	it are measured in		ings that are s sured in millim						
meter long. centimeter				to be meas	oureu III IIIIIIIII	icici s					

