Measuring 2

Rem	ninders: Have you turned in your Lab S Have your brought a pair of c	Safety Contract a closed-toed shoes	and Class Rules? s to class to use durin	g labs?
1.	What is the standard metric unit for A	) mass?	; B) volume:	; C) length:;
2.	A) Is a gram heavy or light?	B) Is a meter	short or long?	C) Is a liter big, small, or medium?
3.	Which is bigger 10 meters or 10 centin	neters?		
4.	A) How tall are you in meters?	B) How ta	ll are you in centimet	ers?
5.	Roughly, how big is a liter (compared	to English units)	)?	
6.	How many grams is a pencil?			
7	How wide is your hand in centimeters'	7		
/.	now while is your hand in contineters			
8.	Since you know how wide your hand i	s, use your hand	to estimate the length	n of this line (in cm):
9.	<i>Example: 32,500 is <math>3.25 \times 10^4</math> in scien</i> Express the following numbers in scie	<i>tific notation.</i> 0. ntific notation:	.00652 is 6.52 x 10 <sup>-3</sup> i	n scientific notation.
1	A) 3,002,000 =	C) 0.0620 = _		E) 0.4502 =
]	B)56 =	D)830,001 =		F) 0.000003 =
10.	If 12 inches = 1 foot and 3.3 ft = 1 mer A) Convert 26 inches to feet (show yo	ter: our work):	B) Conv	vert your answer in part A) to meters:
11.	(Use the Notes: "How to Solve Word E [Additional information: $v_i =$ initial ve Car 1 initially going 6 m/sec accelerate	Problems" for th locity (or before es to 18 m/s in 3	the following.) (b); $v_f = \text{final velocity}$ (seconds. Find its acc	(after)] seleration.
12.	Car 2 initially going 20 m/sec slows de	own to 8 m/sec i	n 3 seconds. Find its	acceleration.
13.	Now, using what you learned from Q A) Did Car 1 speed up or slow down? B) Did Car 2 speed up or slow down? C) Did Car 1 have a positive or negati D) Did Car 2 have a positive or negati E) If a car speeds up, is its acceleration	13 and 14: ve acceleration? ve acceleration? 1 is positive or n	egative?	

- F) If a car slows down, is its acceleration is positive or negative?
- 14. *From the Bellwork:*

When you eat vegetables, you are eating	like a When you eat meat, you are eating like a	
Because you eat both, you are actually a	Fungi (who break down organic matter) are called	
Plants are known as	animals are known as	