

1	Q. Recall and write down your favorite science safety rule. A.	Pg 3 Do Now Section – it may have 2-3 pages – 3A, 3B, 3C
2	What is the correct reading? a) 23 mL b) 24 mL c) 25 mL d) 26 mL	Skip a line below 9/9 & write it on the same page

3

A beaker with water is placed on a digital scale. The scale reads 128.05g. If the beaker has a mass of 100g, then what is the mass of the water in the beaker? (Do not draw)



Still Pg
3 - skip
a line
below
9/11

4

Q. Define these terms:

- a) Mass –
- b) Weight –
- c) Volume –

5

Q. A recipe calls for .25L of milk. Your measuring cup is marked in mL, so you convert .25L to

- a) 2.5 mL**
- b) 25 mL**
- c) 250 mL**
- d) .025 mL**

	K	H	D	U	D	C	M	

6

Q. The population of the US is approximately 330,000,000. In sci notation, this is

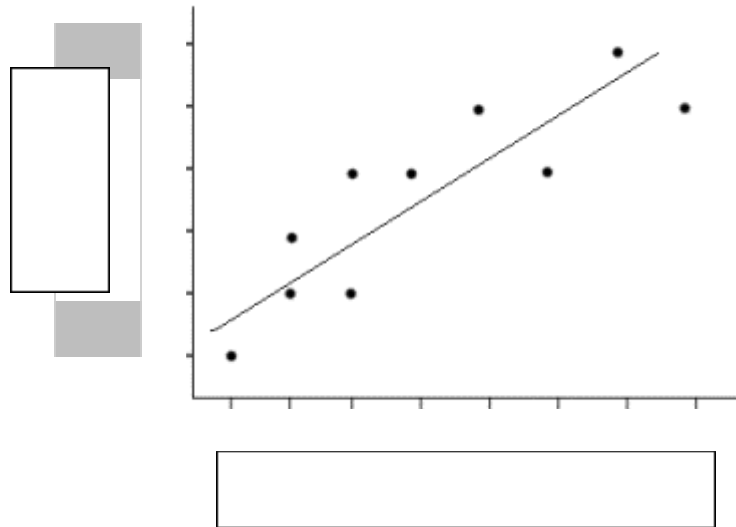
- a) 33.0×10^7**
- b) 3.3×10^7**
- c) 3.3×10^8**
- d) $.33 \times 10^9$**

7	Q. A student performs an experiment to determine if apples ripen faster in a brown paper bag or a white paper bag. The dependent variable is . . . The independent variable is . . . a) the type of apple b) the amount of time it takes to ripen c) the color of the paper bag d) how much light reaches the apple in the bag IV is ?	
7	Convert to sci notation: 0.0000908 = 908,000.0 = Convert to standard notation: $1.407 \times 10^9 =$ $1.407 \times 10^{-9} =$	

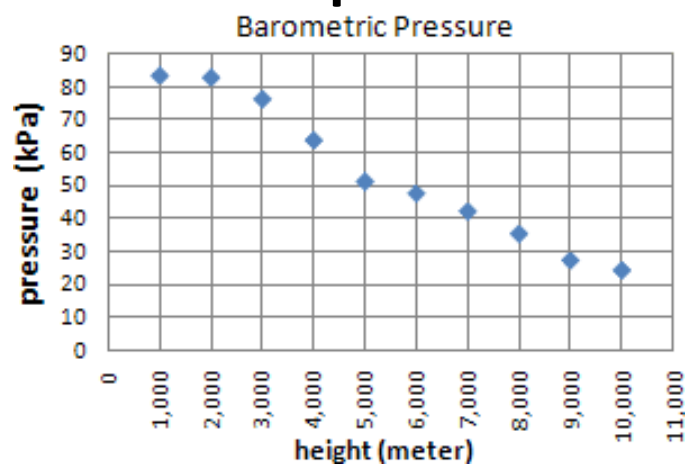
9

Identify the IV and DV of this graph using only the title:

Does Years of Experience Affect Income?



Is the trend positive or negative?

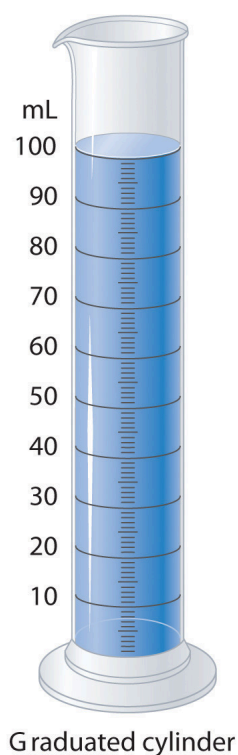
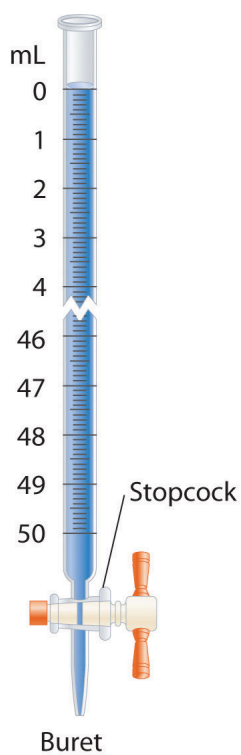
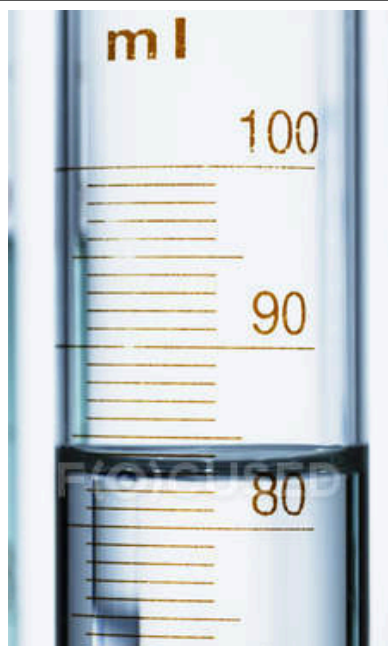
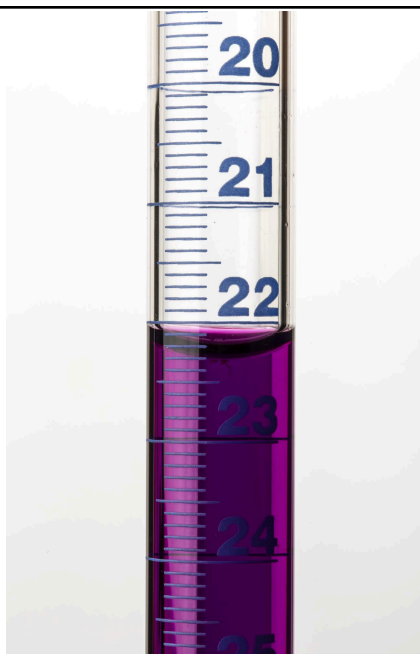


	In a sentence, analyze the data:	
10	If you have an object with a volume of 20cm^3 and a mass of 0.1kg, then its density is a) 0.005 kg/cm^3 b) 5 g/cm^3 c) 2 kg/cm^3 d) 000 g/cm^3	
11	Q. Find the range, median, mode, and average, for the following set of data: 82, 83, 68, 71, 69, 86, 67, 68, 75, 66 Range = _____ Median = _____ Mode = _____ Average = _____	

	Derived data: Range = 66, 67, 68, 68, 69, 71, 75, 82, 83, 86 (86 - 66 = 20) Median = exact middle or 70 Mode = most common or 68 Avg = add them all up and divide by number of data points, 73.5 or 74	
Extra	Contemplate the following: You have a flask with a rubber stopper in the top. It has a chunk of ice in it with a mass of 100 g. - You let it sit for an hour and the ice melts. The mass is still 100 g. - You place it on a hot plate and all the water evaporates into steam, but because the flask has a stopper in it, all the steam is still inside. The mass is still 100 g. Which is true? a) ice has more mass than water b) kinetic energy became potential energy when the ice melted c) energy was converted to mass when the water turned to vapor d) the mass of the H₂O is constant	
12	Compare a small amount of water to a large amount. What is the same, what is different? a) melting point b) boiling point c) mass d) volume e) density	

Extra	Convert 6.789 hectoliters to dL <table><tr><td></td><td>K</td><td>H</td><td>D</td><td>B</td><td>D</td><td>C</td><td>M</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>		K	H	D	B	D	C	M											
	K	H	D	B	D	C	M													
	Extra's – might be on test Which of the following might use nanotechnology? (TEI type question) a) Clothes that don't stain b) Super lightweight building materials c) Increased technology memory (storage) d) Tiny medicine balls in your body e) Better cell phones and X-boxes f) Batteries that <u>never</u> wear out g) Help discover a new animal species h) Cooking pot with salt in the metal																			

Extra	a) $D = 24 \text{ g/mL}$ $V = 1.2 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$ $M = \underline{\hspace{2cm}}$ b) $V = 100 \text{ mL}$ $M = 1.5 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$ $D = \underline{\hspace{2cm}}$	
Extra	What is the difference?	



Extra	A student added 36.67g and 4.1g. Which has the correct number of significant figures? a) 40.7g b) 40.77g c) 40.8g d) 41g	
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