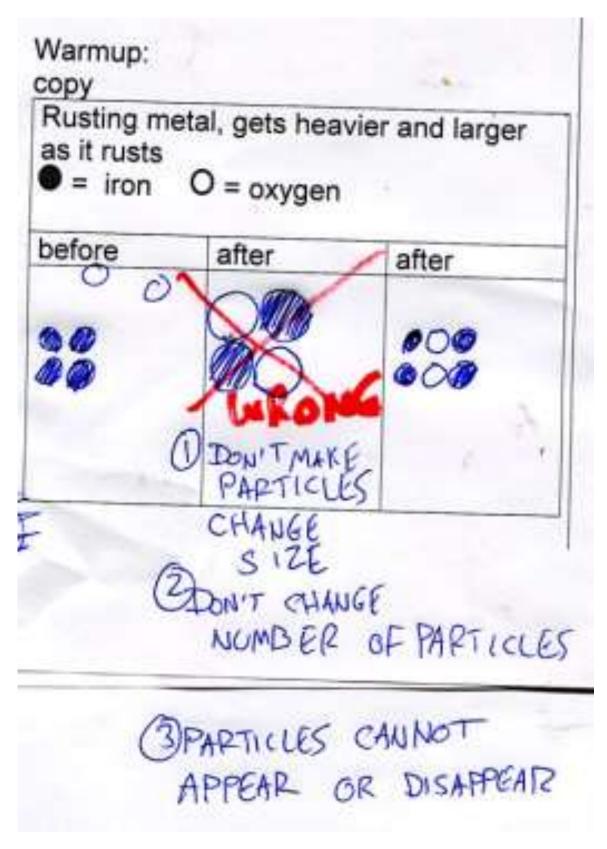
Homework tonight: Gear Sheet (Review 2)

<u>Purpose</u>

Practice particle pictures for the test tomorrow.



Test tomorrow

What to study everything in notes and homework since September 2.

Office Hours

I'm here today after school until 4:30.
I'm here at all lunches, the whole lunch.

Are elements on the test? No.

Review #1 EHS CA3MIS+ry

Mr. Genest

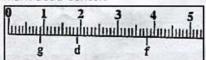
- 60-





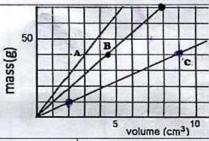
Tutors! Adults! Help this young chemist by visiting http:genest.weebly.com with any smart phone

- Our first big test is this Thursday, September 24, 2015
- For a <u>complete</u> review, go re-do old homework and notes from Sept 2 to Sept 21.
- 1. Write the measurement for each letter. Always make the last digit zero when the hairline hits the mark dead center.



60.90 P1.90

2. Answer questions for these lines. Line A has been done below for you as an example.



For Line A

Calculate the slope of Line A

Write a "For every..." sentence.

For every 2 cm3 there are or, also you could say "For every cm3 there are 12-59 cms]

- For Line B
- Calculate the slope of Line

$$\frac{Ay}{AX} = \frac{70 - 40}{8 - 4.5} = \frac{30}{3.5} \cdot \frac{9}{\text{cm}^3} = 8.0 \quad \frac{Ay}{AX} = \frac{40 - 10}{9 - 2} = \frac{309}{7_{\text{cm}^3}} = 4.3$$

Write a "For every..." sentence.

For every 3.5 cm there are 30 grams

- 4. For Line C
- Calculate the slope of Line #

$$\frac{\Delta y}{\Delta x} = \frac{40 - 10}{9 - 2} = \frac{309}{7 \cdot m^3} = 4.3$$

Write a "For every..." sentence.

5. What is the answer, to the correct number of significant figures of each

a. 83 x
$$0.7 = 58.1 \approx 60$$

place

wire into a 90° angle [Your drawing should explain why the total mass stays the same.]	macrosc	opić view	microscopic view		
ymbols that I used:		ensemb est	d the of many size	out supri	
	before	after	before	after	
a cotton ball on the		Ana 2			
ground, before and	macrosco	opic view	microscop	ic view	
after a rain storm [Your drawing should explain why the total mass increases.]			000	0,000	
vmbols that I used: 0 = cotton × = water			Total Control		
X - WWE	before	after	before	after	
before: a wet cotton ball on the ground, after: same cotton ball after six hours in the sun [Your drawing should explain why the total	macrosco	pic view	microscopi	c view	
mass decreases.]		0	OXOXO	000	
moois that I used:	before	after	O O O Defore	-0	
Write the measurement center. If it does, make 50 51 52 53	for each letter. Est e the last digit zero. 54 \$5	imate between m	The second second	after doesn't hit d	
		50.7	₆ 52.1	54.0	

- 65

محمر

MASS CHANGES NOTES

DUE AT THE BELL

Name Eliette Soler & Period Ceth

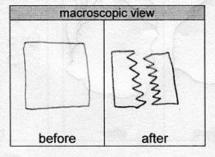
A. Tearing paper in half (Your drawing should explain why the total mass stays the same.)

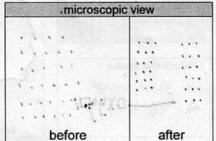
.

Instructions: Tear a piece of paper in half down the middle.

· = parper particle

Symbols that I used:



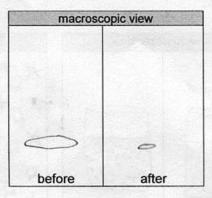


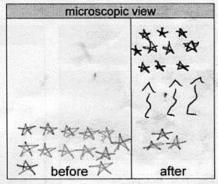
B. A teardrop, evaporating from the floor [Your drawing should explain why the total mass decreases.]

Instructions: Shed a tear. Watch it evaporate for a minute.

Symbols that I used:

A: H20 Ostear





C. A 'Precipitate' forming [Your drawing should explain why the total mass <u>stays the same.</u>]

Instructions: At Lab Station Three, put CaCl₂ from the brown bottle into a test tube, about an inch deep. Into the other test tube place Na₂CO₃, one inch deep. Mix the tubes. Draw what you see and then clean the tubes with a brush at the sink.

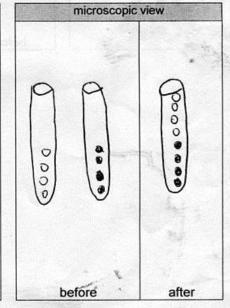
Symbols that I used:

MM: chemicals

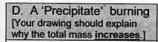
0- does particles

macroscopic view

before after



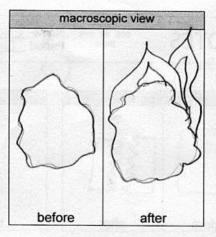
· : Na, coz particles



Instructions: At Lab Station Four, fluff some steel wool, hold it in tongs. Light it on fire with a match.

Symbols that I used:

0: Steel wood



microscopi	c view
00.000	1000 0000 0000 0000 0000
before	after

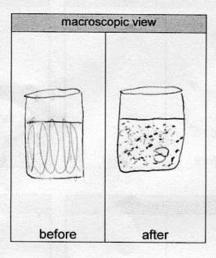
E. Alka Seltzer fizzing Your drawing should explain why the total mass decreases.]

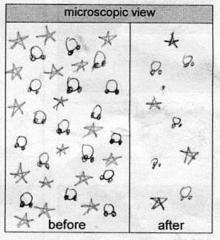
Instructions: At Lab Station Six, get your flask more than half full of water. Drop half of a Alka Seltzer tablet into the flask. Let it fizz for a minute.

Symbols that I used:

Q = 420

* = oxygen





Review #2 EHS CA3MIs+ry Mr. Genest

. 803



Date

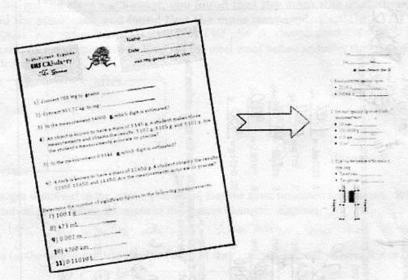
Tutors! Adults! Help this young chemist by visiting http:genest.weebly.com with any smart phone

I wish there were an easyway to know what's on the test...



illustration: Bill Watterson

There IS a way to know what's on the test, Have you noticed that the quizzes have large chunks of material taken directly from the worksheets you just finished?



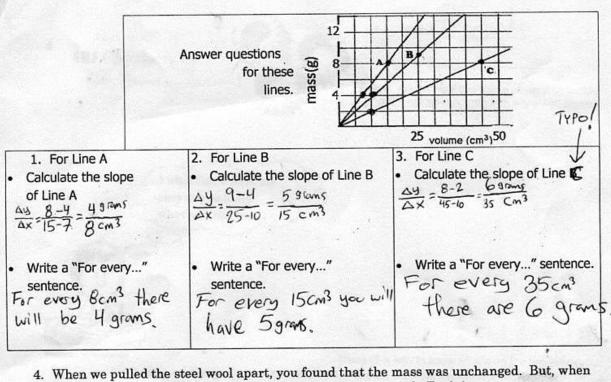
The Tuesday Homework

The Friday Quiz

Our first big test is this Thursday, September 24, 2015

This review sheet does **not** contain every word and skill we learned. It can't. For a complete review, go re-do old homework and notes from Sept 2 to Sept 21.

Elegant transmer two Elet CASults-ry Cle. Leaner Ale. Leaner Anathly press seetly com	Solve SHECketerrifine the number of significant figures in the following mensurements. Or Solve Statistics are infinite significant figures.	2) 473 ml. Ahree 5) 330 ml. of Pepsi 4600	6) Circle any things below that have INFINITE significant figures. one student weighs 88.5 kg and the other weighs 90.0 kg meter is the same as 100 cm dozen daistes is 12 dasies	Round each of the following to 3 students in the room Round each of the following to 3 students in the room Round each of the following to 3 student figures.	13) 23.15 25.2 15) 93.45 cm (3.2)	E E	1) 0,00020 1000 10) 10,000 10) 10,000 10) 10,000 10) 10,000 10) 10) 10,000 10) 10) 10,000 10) 10) 10) 10) 10) 10) 10) 10) 10)	3 significant figures.	275	
ODRY ENS CASALS +rr	100 A 100 Bar	ants using your metric glue in (4. 34 m= 0.034 km 9. 9.051 = 90004	5. 09913= 998 3 10.04515= 450 5	Compare each pair below using <, >, or = [strategy: convert ONE of the measurements into the same units as the OTHER measurement. Then write <, =, or ≥,]	0,58 m 6m 11. sscm ©sm	12 3.5 € 3500mL	13. 34 mg ◎ 5g (5000 mg)	



4. When we pulled the steel wool apart, you found that the mass was unchanged. But, when you heated the steel wool, you found that the mass increased. Explain, you found that the mass increased. Explain, steel wool adds of the same particles of iten, so no charge. Surved steel wool adds oxygen atoms 5. Draw diagrams (at the simple particle level) of the steel wool before and after the change. Steel wool pulled apart

before

after

So mass
increased

before	after				
000	0	0	0		
000	0	0	O		
CTO	0	0	0		
0= STEEL		-			

. 65

6. When the sugar dissolved in the water, you found that the mass remained unchanged. When the Alka-Seltzer dissolved in the water, the mass of the system changed. Explain.

Dissolved sugar still has same of atoms. Alka Seltzer, some atoms bubble of as Draw diagrams (at the simple particle level) of each of the materials before and after it was dissolved. gas

