SCIENCE PLANNER: WEEK OF 8.12.19



OBJECTIVES FOR THE WEEK:

Honors Biology : What tools do we need to study biology? Students will understand metrics, conversion, graph analysis, and the scientific method.

Honors Chemistry: What tools do we need to study chemistry? Students will understand metrics, conversion, graph analysis, and the scientific method.

DAILY AGENDA - (SUBJECT TO CHANGE)

DAY	Honors Biology	Honors Chemistry
Mon 8/12 FIGTURE DAY/BEILIXE	-Warm up and collect HW https://www.youtube.com/watch?v=AhsIF- cmoQQ -QUIZ! (20 q) -Inquiry lab! Graphing HW= finish #1-30 (ok to answer right on that paper)	-Warm up and collect HW https://www.youtube.com/watch?v=UdQreBq6MOY -Presentations: measurement lab -Inquiry lab! Graphing HW= Finish #1-30 (ok to answer right on that paper), study for
		QUIZ!!
Tues 8/13	-Warm up -NOTES: The chemistry of life and water -Activity: ATOMS HW= finish Graph lab, # 1-9 on that sheet =)	-Warm up -QUIZ! -NOTES: Sig figs -Practice: sig figs and measurement HW= finish Graph lab,CK12 is due THURSDAY at 11pm!, finish all odd (or all evens) from sig figs packet!
Wed 8/14	-Warm up https://scaleofuniverse.com/ -finish NOTES: The chemistry of life and water	-Warm up https://scaleofuniverse.com/ -PRESENTATIONS!! Measurement ©

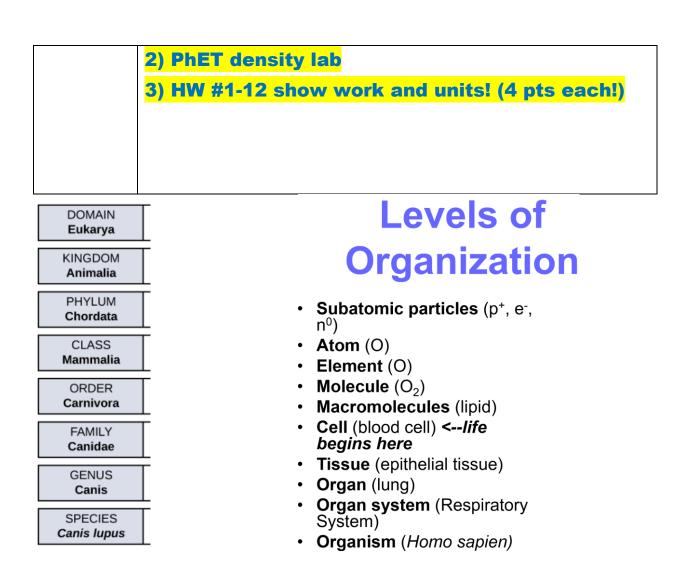
	HW=Worksheet: scale of universe (pick 10 total). As always, study notes!	-NOTES: complex conversions -Practice HW= finish #1-12 on Sep paper show all work and units! Work more on CK12 due Thurs at 11pm.
Thur 8/16	-Warm up and HW check -finish NOTES: the chemistry of life ATOMIC STRUCTURE LAB!! http://phet.colorado.edu/en/simulation/build-an- atom) -HW= Test tomorrow!! pHET lab pages 1, 2, and 3 due FRI.	-Warm up -go over HW (If questions) -Measurement lab #2!!! DENSITY https://phet.colorado.edu/en/simulation/legacy/den sity HW= Study for test and CK12 is due by 10pm tonight!!
Fri 8/16	TEST: Ch1 and Chemistry of liife -Activity: Culture21	TEST- measurement, conversion, sig figs, and density -Activity: Culture21

https://www.youtube.com/watch?v=UdQreBq6MOY

WARM UP ACTIVITIES

MON	The three things that I found to be the most interesting about this video are: (see video link above for your subject)
TUES	Describe stomata, guard cell, ovum and ovule. Surrounding each stomata are two guard cells, which regulate the opening and closing of stomata to facilitate gas exchange and control transpiration in plants. ** ovum is (label) the female gamete in animals; the egg cell while ovule is (botany) the structure in a plant that develops into a seed after fertilization Explain why it is ok to multiply something by

	$\left(\frac{10^3 \text{g}}{1 \text{kg}}\right)$
WED	Describe 2 small and two big things as well as their diameter in 1x 10 [?] m
THUR FRI	List the classification of life from biggest to smallest. https://cnx.org/contents/s8Hh0oOc@15.8:-Yx1m5Xz@12/1-1-Themes- and-Concepts-of-Biology#91821 MAKE A MNEMONIC!! DKPCOFGS A moped can travel at 2.2 m/s. The nearest grocery store is 8.3 miles away. Bobby REALLY wants some ice cream. How long would it take him to get to the store? 88 Km= 55 mi List the levels of organization of life from biggest to smallest. 1 mole of gold = 197 grams. Ms. Evans' ring has a mass of 11.52 grams. How many moles of gold does Ms. Evans have in that ring?
FRI HAND IN!	BIO- 1) Warm up with 30 GRAPH questions 2) PhET atomic structure lab 3) Scale of universe CHEM- 1) Warm up with 30 GRAPH questions



QUIZ! (20 q)

QUESTION #	Where to find in	Key word(s) for the tricky ones	
	text		
1	1.1	Properties of life	
2	1.1	Cell	
3	1.1	Individual	
4	1.1		
5	1.1		
6	1.1	DKPCOFGS "Homo Sapiens"	
7	1.1		
8	1.1	Extreme and tough bacteria	
9	1.2	Inductive vs. deductive reasoning	

10	1.2	Inductive vs. deductive reasoning
11	1.2	guess
12	1.2	(the warm up today)
13	1.1	
14	1.1	
15	1.1	
16	1.1	
17	1.1	
18	1.1	You are still doing this
19	1.1	DKPCOFGS
20	1.1	

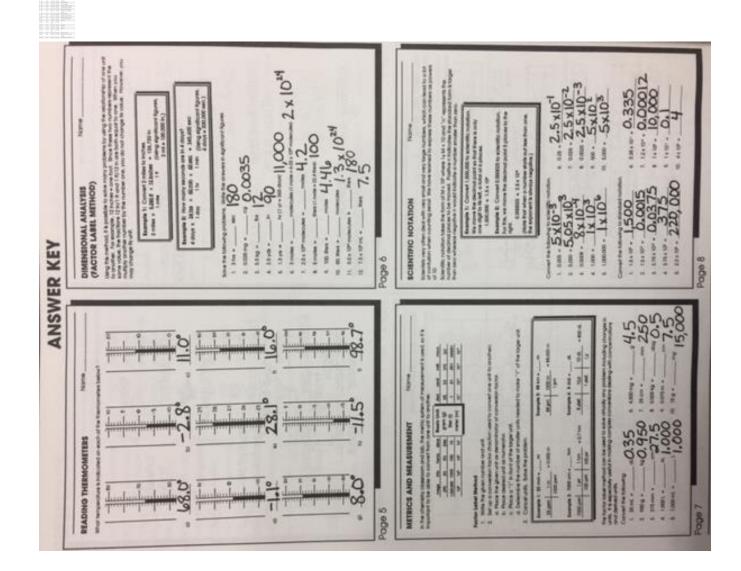


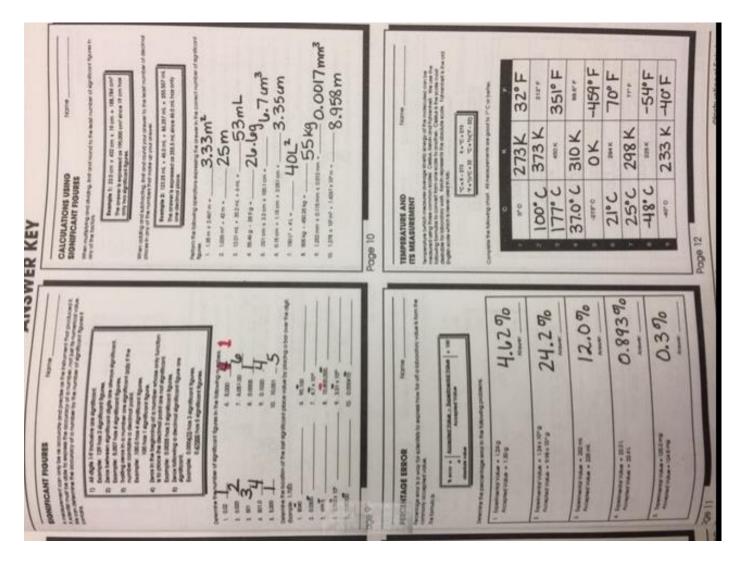
Quiz Date: Aug 12, 2019

Key A		
1	Е	1
2	С	1
3	D	1
4	D	1
5	С	1
6	С	1
7	в	1
8	Α	1
9	D	1
10	Α	1
11	С	1
12	Α	1
13	в	1
14	в	1
15	Α	1
16	С	1
17	Α	1
18	D	1
19	D	1
20	D	1

Answer Key Quiz: Chem 8.12.19

Class: BIO1





WED 8/14 PRESENTATIONS- CHEM

NAMES AT TOP: THUMB RULE !!!!

- Explain what you did, how you did it (board A)
- Provide all measured data and units (BOARD A)
- Show all conversions with units and how they cancel (BOARD B) PUT FINAL ANSWER IN popsicle sticks!!
- Calculate % error (BOARD B)

23.5m (short) 26.91m (long)

-Did you find their name ok?

-Could you replicate the experiment?

-Any place where you couldn't tell what the units were?

-Any numbers show up that you couldn't tell where they came from?

-Was the % error less than 20%

ACTUAL=58.73 x 45.72 cm= 26.85m 51.1 x 45.72 cm= 23.36 m



Answer Key Quiz: Bio Test 8.16

Quiz Date: Aug 16, 2019

Class: BIO1

Key A		
1	Е	1
2	С	1
3	D	1
4	D	1
5	в	1
6	С	1
7	С	1
8	D	1
9	Α	1
10	Α	1
11	Α	1
12	D	1
13	С	1
14	С	1
15	в	1
16	Α	1
17	D	1
18	Α	1
19	в	1
20	в	1
21	С	1
22	Α	1
23	D	1
24	D	1
25	D	1
26	С	1
27	D	1
28	в	1
29	Α	1
30	в	1
31	Α	1
32	D	1
33	С	1