

CLASS WORK Week January 14th -18th

Monday January 14th - Posters are way!!!!.overdue: I will not grade them after today.

Use your cell phone or the netbook and login to SAGE modeler site.

Complete assigned Post Evaluation Activity. Post-Test for the evaporation Unit. (100 points).

<https://learn.concord.org/building-models> or click on the link on my website. Once login -select "My Classes" to find activity.

SAGE model for Evaporation unit is extra credit work. If you create a model (like what you have done for poster) you can receive extra credit points).

Tomorrow -we will start new unit on Periodic Table- Pre-Test first.

Tuesday January 15th –

Some of your answers for the online test ON Evaporation Unit were not complete. You may still change by login to the account.

Driving Question – Why do some material react more quicly than others? Properties of Periodic table of elements:

Agenda:

- Take the pre-test on Illuminate
- Follow the lesson-recognize the differences in chemical reactivity of different elements. Take notes.
- Closing-White board Q&A

Link for Pre-test: dpscd.illuminatehc.com and login with your ID.

If you cannot login please open illuminate.online use Access code: [5B6ZUGA](#)

Thursday January 17th –

Some of your answers for the online test ON Evaporation Unit were not complete. You may still change by login to the account.

Driving Question – Why do some material react more quickly than others? Properties of Periodic table of elements:

Agenda: Link: Periodic table of videos university of Nottingham

➤ Copy the table below to your notebook. First 10 min

Element Symbol/Name	Group number and group name	Physical Properties			Chemical Properties 1. Reaction with water 2. Reaction with other (ex. Oxygen, acids etc.)
		Density g/cm ³	Melting Point °F	Boiling Point °F	
Li/Lithium	1A, Alkali Metals	.534	356	2435	
Na		.534	208	1618	
K		.862	145	1420	
Be	2A, Alkaline Earth Metals	1.8	2349	4500	
Mg		1.7	1200	2000	
Ca		1.6	1560	2620	
As					
P					
N					

- Follow the lesson-watch video clips. recognize the differences in chemical reactivity of different elements. Complete the table.
- Closing-White board Q&A

Prior Week

Month- January

Monday January 07th- Posters are due

Learn how to use SAGEMODELER – Today's points (10) are based on your effort;

1. Obtain a netbook, login and open chrome browser. You may use the cell phone.
2. SAGE modeler URL: or click on the link from my website (ahewagama.weebly.com)

<https://learn.concord.org/building-models>

3. Each person must create an account 'each person in the group must create an account': remember the login and password -class word is written **on the board**.
4. 5
5. Click on Open SAGEMODELER – You may need to go back to the main page URL.
6. Watch the introductory video.
7. Then complete go back to your student credentials and complete the assigned activity (Boiling Point).
8. Save all your work.

Please return all the netbooks five minutes before the end of the class hour to earn your points. If you leave your netbook on the table "0" points for the day.

Tuesday January 08th

Posters overdue

ANYONE WALKING AROUND THE CLASS, EAT OR DRINK WILL DEFINITELY BE GIVEN THE LOWEST POSSIBLE GRADE BASED ON YOUR PERFORMANCE THIS SEMESTER. NO MAKEUP WORKS OR EXTRA CREDIT WORK. Do NOT ROLL OR MOVE CHAIRS.

SAGE MODEL-100 EXTRA CREDIT points WHEN YOU COMPLETE WORK AND SUBMIT) -You learn today and complete as home work.

1. Make sure everyone has registered for the SAGEMODELER.
2. Begin Modeling everything you have learned about EVAPORATION/BOILING/PHASE CHANGES/ENERGY
3. SHOW ME YOUR WORK AS YOU PROGRESS.

Wednesday January 09th -

Poster (100points) is overdue however you could still submit for most points: Link to instructions can be found from my web page.

No Cell phones during the experiment

➤ Do Now- Copy lesson driving questions to your notebook.

Also answer the question (3):

Lesson Driving Questions:

1. What are the differences between liquids when evaporating?
2. Why do liquids have different evaporation rates?
3. **Question: What is evaporation?**

Experiment: Observe evaporation of Acetone, Ethanol and Water

A-Acetone E-Ethanol H-H₂O

STEPS: Obtain supplies for the experiments from me.

1. You will have 3 pennies next to a label (A, E, H) on a Petri dish
2. Place 2 drops from each liquid on the corresponding penny.
3. Draw the appearance of the liquids on pennies.
4. Measure approximate time it takes for the liquid to evaporate.

Thursday, January 10, 2019 – Posters are overdue: I will not grade them after Monday 14th.

No Cell phones when the lesson being taught please.
Absolute "0" participation points for violations.

Do Now- Copy lesson driving questions to your notebook. Lesson Driving Questions (Contd. From yesterday)


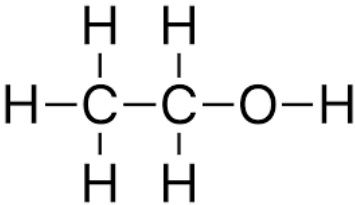
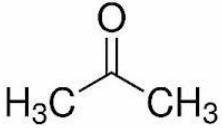
1. Why do liquids have different evaporation rates?
Exploring intermolecular attraction and boiling point using a computer simulation.
2. Why did _____ feel colder than other two?
3. Use your knowledge to write an explanation to the initial driving question
 - Why do I feel colder when I am wet than when I am dry?

Experiment:

1. Place couple of drops of
 - a. Acetone-A
 - b. Ethanol -E
 - c. Water-H

On each penny and on your skin of the hand and observe which one make you feel colder.

YOU MUST SHOW ALL WORK BEFORE THE END OF THE HOUR FOR GRADING:

Water	Ethanol	Acetone
		

When Oxygen nitrogen or fluorine directly attached to hydrogen- they can form hydrogen bonding. Hydrogen bonding is the strongest inter molecular interaction force. Water can make two hydrogen bonds per molecule. Ethanol can make only one hydrogen bond per molecule. Acetone do not make hydrogen bonds. Therefore, it is easier to evaporate acetone faster. As molecules evaporate, they absorb energy. Therefore, acetone makes our skin feel colder.

MONDAY YOU WILL HAVE THE POST-TEST for the UNIT on EVAPORATION.

Friday January 18, 2019

Sections covered for the Final exam are posted on my website. Also Complete all the work/activities from Concord.org site.

Mainly: Post-Test for the evaporation Unit. (100 points). - mostly incomplete.

You can work your own to review study guide questions and check with me if you have questions answering.

<https://learn.concord.org/building-models> or click on the link on my website. Once login -select "My Classes" to find activity.