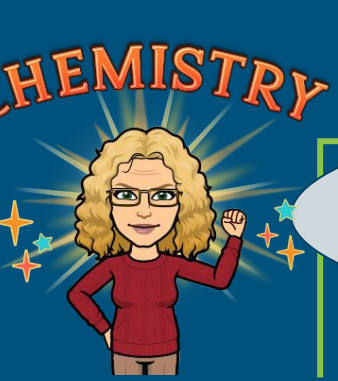


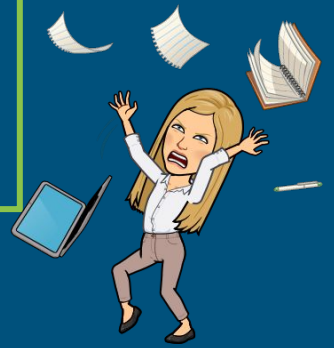
So glad you are here! Feel free to introduce yourself in the chat!

Welcome to APTeach: Relieving the Boredom of Review

New strategies for problem sets and labs

PLEASE reach out to join us for planning sessions!!

AP TEACH
10.23.25



Here's how to find us!

Option 1: Sign up at ChemEdX for free (no need to choose the paid options) on the ChemEd X web site to receive updates via the email Newsletter and Facebook for future sessions!

Option 2: We are also on Facebook!

Join us online

Using a stations activity to review

AP Chemistry
Stations Recording Sheet: Gases

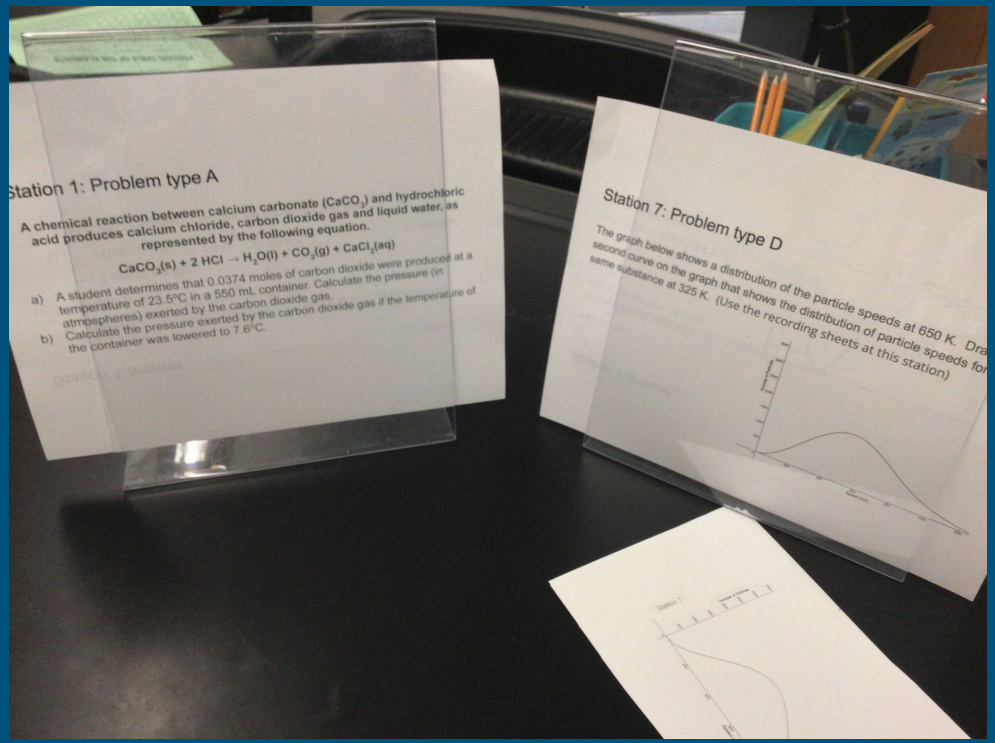
Directions: You will need your periodic table, reference sheets, and a calculator. Move from station to station to complete one problem each from sets A-K and as many additional questions as possible. You may work individually or with one partner. Try each problem on your own before checking your answer.

Question type A	
Question #	

Question type B	
Question #	

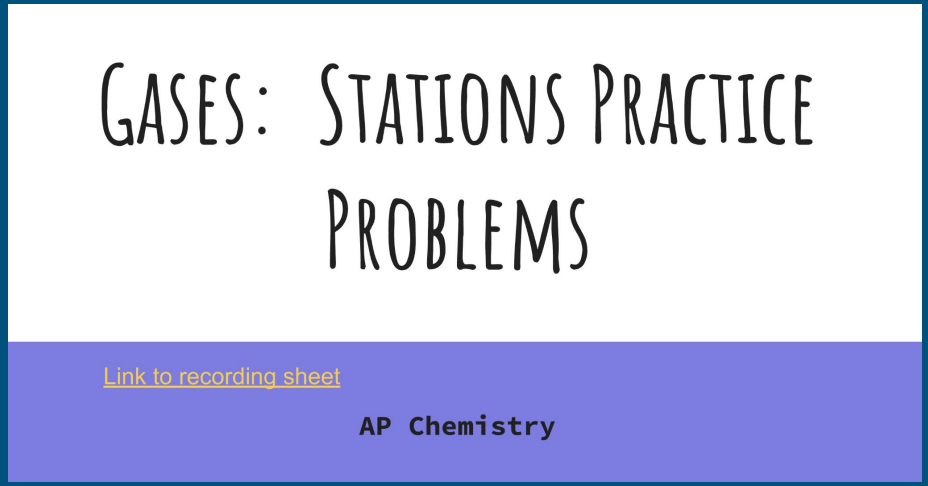
Question type C	
Question #	

Question type D	
Question #	



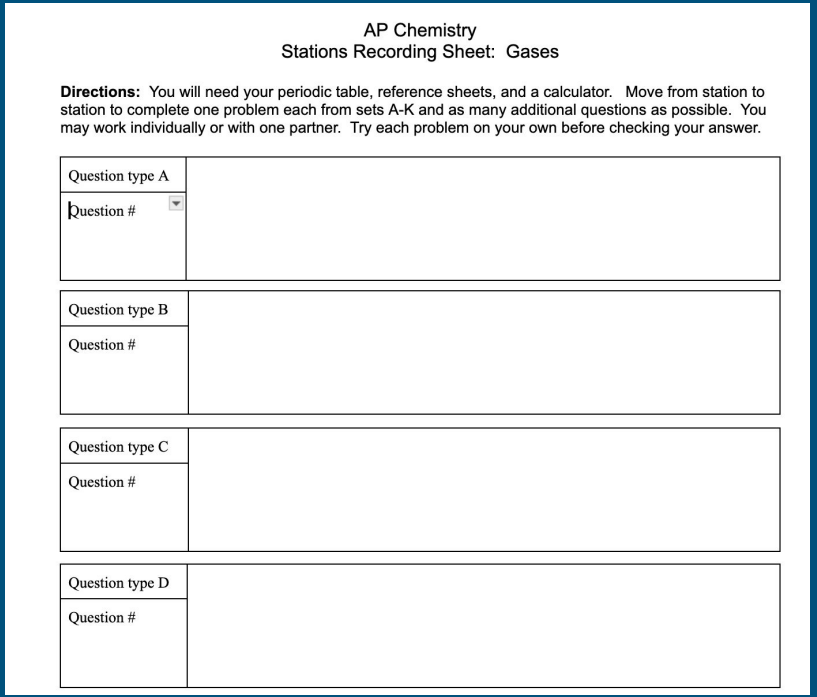
How I set it up

- In Google slides: print them out double sided
  - Some stations have mini recording sheets for graphics
    - Option: have students turn these in
- Put the printouts in page protectors or acrylic picture frames around the room (in no particular order)
- Students use their reference sheets and calculators



How I structured it

- Based on problems from recent AP Chemistry exams
- 11 problem types, labeled A-K (at least 2 stations for each type)
- Students need to do 1 problem of each type



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Question type A Question #	
Question type B Question #	
Question type C Question #	
Question type D Question #	

Why do stations? (a strategy you can use for any unit!)

- Change of pace from a handout/packet
- Purposeful movement
- Practice a variety of problems in a short time (this activity took about 30 minutes)
- Options for choice (UDL)
    - Work independently or with a partner
    - Choose which stations to complete and their sequence
- Easy to build in differentiation
    - Required sets can involve different levels of difficulty;
    - Can include some challenge problems
- Immediate feedback
    - Answers are on the back of each printout

Labs for Instruction and/or Review

Most all of you probably determine the molar mass of a gas lab. You may find this version has some interesting additions that you might not be doing.

Using butane from lighters or portable burners and using Dust-Off.

This student version of the lab is used before students understand why the tube should be adjusted and leveled so the water is the same inside and outside.

If you were doing this lab for review, you could leave off most of the procedural instructions.

Teacher and Student Supports

I have created a teacher page with answers and lots of other information as well as Post Lab Class Openers for review.

Further you can find a video of the lab as well as short supporting videos to explain why leveling the water levels is necessary in this playlist.

If you a student is absent, they could “do” the video instead of the lab.

Or you could have your students collect sample data from the video.

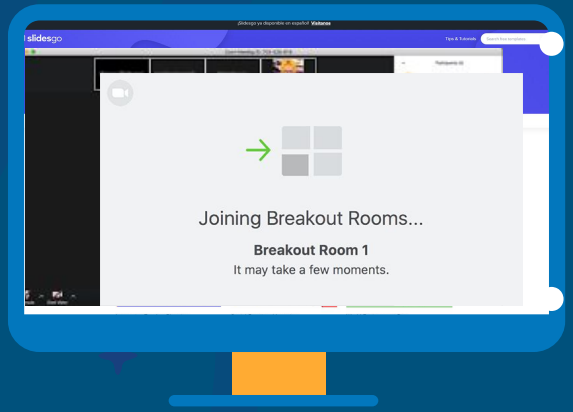
Coming up next...

Mark your calendars for the following session date:

November 20th at 8pm Eastern

Want to get involved with planning the next session? Email sryonis@gmail.com to help us plan on November 6th at 7:30 Eastern

BREAKOUT ROOMS



Link to Breakout Room Slides

- *Please be sure you are typing in the BOR slide that corresponds to YOUR breakout room.*

After the breakout rooms, we will come back and discuss key ideas.

- Breakout room participants will highlight key ideas from each room to share with the large group

Certificate

If you want a certificate for attending tonight's session, please fill out this form:

October 2025 Certificate

Find APTeach on Facebook and ChemEdX