Welcome!

Welcome back from 51LB!

Special welcome to those joining us for first 51L class. See me at end of class for some logistical details.
What should you take away from Chem lab?

- Chemistry techniques & reactions
- General lab conduct
- Always consider safety
- Analyze data
- Connect theory and experiment
- Communicate science
- Written communication
- Oral communication
Old & New

The Same Stuff
- ELN & Sapling Pre-lab
- Lab reports as post-lab
- Recall techniques learned previously

New Stuff
- Small group presentation post-lab
- New experiments!
- More complex experiments
Pre-Lab Reminders

Pre-lab must be 100% complete* before lab.

Everything does not have to be perfectly correct to attend lab, but it must be complete!
For Sapling, complete for lab = all questions either a) answered correctly after attempts or b) attempted and given up on. Sapling score will be whatever score you earn.

Sapling deadline = 2 hours before lab section starts.
Post-Lab Reminders

Follow…

● General report guidelines (Info & Docs page)
● Report hints on experiment handouts

Scaffold worksheets are still on 51LB pages. Feel free to use them to help organize your thoughts.
About Lab Lectures

We will be practicing lots of active learning here.

- Time for questions. Post on Piazza in advance and tag for best results!
- Activity for the day. (iClicker 2 or Reef starting next week. Talk to me if this is a problem.)
Incomplete Pre-Lab Repercussions

- Pre- & In-lab score: Loss of all points.
- Sapling score: Grade is as-is shown in Sapling. No penalty.
- Report repercussions: Student will be allowed to write report using data and observations from another student (assigned by TA).
- Single-week experiments: 15 points deducted from report score. Total report score cannot be less than zero.
- Multi-week experiments: 15 points deducted from project report scores. Student will be allowed to re-join a group to proceed with remaining portions of experiment.
- Report from previous week or experiment: Student allowed to submit report from previous week without penalty.
Academic Honesty Reminders

DON’T CHEAT!

Scenario: You have two midterms tomorrow AND a lab report due. There aren’t enough hours in the day. What do you do?

● Option 1: Copy a friend’s lab report
● Option 2: Write up whatever you can and just turn in what you have.
● Option 3: Focus on studying for your midterms and turn your report in a day or two late.
Outcomes

● Option 1: Copy a friend’s lab report
  ○ You WILL get caught!
  ○ Best case scenario: Zero on report AND a letter in your file.
● Option 2: Write up whatever you can and just turn in what you have.
  ○ Get some points. Not a great score, but better than nothing.
● Option 3: Focus on studying for your midterms and turn your report in a day or two late OR just don’t turn in a report.
  ○ Lose some points for turning in late.
  ○ Zero points for not turning anything in.
Safety Reminders!

- Appropriate clothing and PPE at all times.
  - (PPE = Personal Protective Equipment like goggles, apron, etc.)
- Wear gloves when handling chemicals and CHANGE THEM when they are contaminated! Take them off when touching door handles!
- Follow all safety instructions.
- Rinse glassware with acetone into waste before washing dishes. No chemicals in sinks or trash cans ever! See Massive Safety Violation Policy.
- Glass (broken items, TLC spotters, melting point capillaries) go in glass waste boxes, not trash.
Questions?
Let’s Play a Game!

Chem 51L review quiz game time!
Need ONE internet device per group.
Top 3 groups get 1 bonus point for lab lecture.

Go to kahoot.it
Wednesday Lab Sections...

Veteran’s Day (Nov 11) is on Wed this year!

- Wed sections will have make-up lab day same week Mon 6 or Fri 1.
- Identify a time you might be able to do.
- Watch for EEE sign up as we get closer to actual week of holiday.