

# Plan for Lab Points, Chemistry Midterm and Final Exam

## Lab Credits

There are 200 points to be awarded for Lab credits and 15 labs so each lab will be worth 13-1/3 points. If you have not received credit for any labs, you can still get it by doing what is required by the instructions at the end of the lab notes and reporting it before the end of the semester.

## Chemistry Midterm (200 points)

I want to give you the ability to do the Chemistry midterm at a time most convenient for you within a period of 6 days starting when it is sent out on Tuesday December 1, **but you are not to start it until you have completed your preparations.** It will be due by the night of Monday, December 7, when I will pass out the Final Exam. I will endeavor to promptly grade your Chemistry Midterms so that you can see your missed questions before starting the Final. Returning the Chemistry Midterm earlier will allow me to grade it quicker.

Once started, you are not to get any help other than that on a clean Periodic Table of Elements from page 29 of the Chemistry Handouts or from  
<http://yosemitefoothills.com/Science-1A/Handouts/Week-09/PeriodicTableOfElements.jpg>  
and a clean set of Equation and Symbol Notes from pages 122-127 of the original Handout packet or at  
<http://yosemitefoothills.com/Science-1A/EquationAndSymbolNotes.pdf> .

Know your prefixes! I will use lots of them. They must be in your brain for the test. A list of the prefixes along with advice for problems involving calculations is in the handout at  
<http://yosemitefoothills.com/Science-1A/QuizAndTestPractice/AdviceForSolvingCalculations.pdf> .

The Chemistry midterm will be based on the **sample questions for Quizzes 5-8** and the **Possible Additional Chemistry Test Questions** at <http://yosemitefoothills.com/Science-1A/QuizAndTestPractice/PossibleAdditionalQuestionsForChemistryTest.pdf> and at <http://yosemitefoothills.com/Science-1A/QuizAndTestPractice/PossibleAdditionalQuestionsForChemistryTest-Solutions.pdf> .

Background material for Quiz 5 was in the handouts at

<http://yosemitefoothills.com/Science-1A/Handouts/Week-07/Chapter-7-Notes.pdf>

<http://yosemitefoothills.com/Science-1A/Handouts/Week-07/NatureOfLight-PhotoelectricEffect.pdf>

<http://yosemitefoothills.com/Science-1A/Handouts/Week-07/PinholeAndLensOpticalSystems.png>

<http://yosemitefoothills.com/Science-1A/OnlineLectureAndLabNotes/Week-10-Lecture-Monday-October-12-2020.pdf>

Specific background material for Quizzes 6-8 was provided, **with links to handouts**, in

<http://yosemitefoothills.com/Science-1A/OnlineLectureAndLabNotes/Week-13-Lecture-Monday-November-2-2020.pdf>

<http://yosemitefoothills.com/Science-1A/OnlineLectureAndLabNotes/Week-15-Lecture-Monday-November-16-2020.pdf>

<http://yosemitefoothills.com/Science-1A/OnlineLectureAndLabNotes/Week-16-Lecture-Friday-November-27-2020.pdf>

## Final Exam (400 points, normal length, but score will be doubled)

The final exam week is Monday-Friday, December 7-11, but again I want to allow some flexibility so you can schedule it, as much as practical, to your convenience. I will pass it out via e-mail on Monday, December 7, and it will be due by the night of Friday, December 11, **but you are not to start it until you have completed your preparations.**

Once started, you are not to get any help other than that on a clean Periodic Table of Elements from page 29 of the Chemistry Handouts or from  
<http://yosemitefoothills.com/Science-1A/Handouts/Week-09/PeriodicTableOfElements.jpg>  
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<http://yosemitefoothills.com/Science-1A/QuizAndTestPractice/AdviceForSolvingCalculations.pdf> .

To prepare for the Final, study your Physics and Chemistry midterm results and the practice questions, and notes at

<http://yosemitefoothills.com/Science-1A/#practice> and <http://yosemitefoothills.com/Science-1A/#onlineNotes> . Text Chapters 1-13 can also be helpful.

**Be sure to show your problem setup with correct units, an equal sign, and the numeric answer with its units if any. Those units must come from the setup! I will be very picky!**