

May 2017

YOU MUST GET A TEXTBOOK IN ADDITION TO THIS SUMMER ASSIGNMENT TO COMPLETE IT!

Dear Honors Chemistry 2/AP Chemistry Students & Parents:

First things first, you will find the summer assignment (along with answers to use for checking yourself) at the following address:

<http://sites.google.com/site/drquickchemistry/>

You should also join my AP Chemistry class in the Remind app by doing one of the following things:

- 1) In the Remind app, join the class @drquick;**
- 2) If you use the text version, text “@drquick” to 81010 (without the quotes); or,**
- 3) If you use the email version, send an email to drquick@mail.remind.com**

Welcome to Honors Chemistry 2 and/or AP Chemistry! I am excited that you have decided to take on the challenge of such a course and look forward to having you in our class. As you may already know, AP Chemistry is a year-long, 2-credit course that is listed as Honors Chemistry 2 in the fall and AP Chemistry in the spring. The two courses are designed to be the equivalent of a first-year general chemistry *college* course. As a result, they are only for high school students who are skilled and/or interested in chemistry, and are willing to demonstrate very high levels of commitment, motivation, and academic maturity. Chemistry2/AP Chemistry may very well be one of the most intellectually challenging courses you will take in high school, but I think you will find it well worth the effort.

In order to prepare for one or both courses, you are expected to complete a Summer Assignment. Since students entering Honors Chemistry 2 have had a variety of Chemistry 1 experiences, completion of the summer assignment will help every student begin the year on equal footing as the assignment reviews Chemistry 1 topics and skills. This is especially important for students who took Chemistry 1 more than a year ago. In the past, I have found that students who fail to complete the summer assignment struggle during the semester to manage the workload and maintain a satisfactory grade. A completed summer assignment is the key to success in this class, and is a demonstration that you have the work ethic required to do well.

Enrollment in this course is a commitment to perform at the highest level and to display a positive attitude within the class. Seriousness in maximizing one's problem solving skills is expected. Due to the advanced level of the course, considerable time will be spent on mathematical calculations, both in lab and in class. Students will be expected to devote time in study of new material and in completion of practice problems, as well as developing quality laboratory skills and reporting practices. The College Board makes the following statement in the course description in relation to student commitment: **"It is assumed that the student will spend at least five hours a week in unsupervised individual study."** AP Chemistry is hard, and cannot be mastered by memorization alone; chemistry is a thinking discipline and students must demonstrate the maturity and self-discipline to approach it as such.

The goal of this course is to prepare each student for the Advanced Placement Chemistry Exam as well as enrollment in a second year chemistry course in college. Students who enroll in this course without an honors Chemistry background or who have received less than a 90% average in Chemistry 1 may not be prepared to deal with the volume of work, mathematical computations, and performance level required for above average grades in an accelerated program. Most can expect their average to be 5-10 percentage points lower than it was in Chemistry 1. It is imperative that students have achieved comparable grades in any Algebra course, AND successfully completed Algebra 2 before beginning AP Chemistry in January. Students should plan on anywhere from 45-120 minutes of homework per night, and are expected to demonstrate a proactive approach to their work. Parents/guardians and students must understand that these requirements and time limits are not negotiable simply because this is what is required for success in this course. If you have concerns about this or the suggested course prerequisites, please feel free to email me.

Please know that I am not leaving you without help. If you have questions during the summer, PLEASE contact me. I am happy to help. The fastest way to do so is to contact me via the Remind app mentioned on page 1.

In addition, worked answers will be online at this web address:

<http://sites.google.com/site/drquickchemistry/>

I EXPECT you to check your work for immediate feedback on individual mastery of Chemistry 1 content. Please let me know if you have questions at any time.

Sincerely,



Dr. Travis Quick

Teacher, Honors Chemistry 2 and AP Chemistry

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**VERY IMPORTANT INFORMATION NEXT PAGE
PLEASE READ BEFORE STARTING!!!**

- The summer assignment is due **AT THE BEGINNING OF CLASS on August 8, 2017**. Our first item of business will be to collect the summer assignment. **LATE ASSIGNMENTS WILL NOT RECEIVE FULL CREDIT**.
- The summer assignment is the key to success in the class. **This will be your first grade, worth 250 points**.
- You may not drop the course **after July 28, 2017**. You can only drop **with the approval of Mrs. Reynolds**.
- **YOU MUST SHOW WORK TO RECEIVE CREDIT. NO WORK, NO POINTS**.
- **The Summer Assignment should be completed on loose-leaf paper, and put into a folder with brads to attach the paper...NOT on the assignment packet itself.**
- **Do the work IN ORDER, and remember to periodically check your work in a DIFFERENT COLOR.**
- **Answers are ONLINE AT:**
<http://sites.google.com/site/drquickchemistry/>

Week 9 transitions you from a worksheet to textbook format. Chapters 1-3 of the textbook review Chemistry 1 content. Former students have suggested this be done in the summer to allow more time for new content. Three items will be reviewed/taught when school starts: limiting reactants using Initial-Change-Final charts, percent yield, and combustion analysis.

You can expect an exam based on both the summer assignment and the first three chapters of the text within the first week of school that will count for a test grade. Be prepared – do not wait until the week before school starts to complete the summer assignment!

DUE DATE for SUMMER ASSIGNMENT is
August 8, 2017