

In preparation for the upcoming school year and rigorous pace of the AP Chemistry course, it is expected that you will complete the summer assignment before returning to school in August. Please join our Google Classroom as soon as possible, as resources and assignments will be posted there throughout the summer. **If you are unable to access Google Classroom, please let me know and we will make other arrangements.**

Much of the work this summer involves practicing skills, including memorization of some information. When you begin class in fall, you will have a test to assess your summer practice. If you are unable to demonstrate sufficient preparation and background knowledge, it will be expected that you either commit to regular extra help sessions or not take the class. Your habits of mind grade for the first quarter will also reflect your summer work.

The topics to prepare for the first test include:

1. Polyatomic ions (including name, symbol, and charge)
2. Variable charges for transition metals
3. Naming Acids
4. Naming Ionic Compounds
5. Naming Covalent Compounds
6. Significant Figures
7. Dimensional Analysis
8. Atomic Structure

To help you prepare, you should access our textbook as soon as possible. We will be using the Open Stax online book: <https://openstax.org/details/books/chemistry-2e>

You should review and study chapters 1 and 2 this summer.