

AP Chemistry Summer Work

For some of you, it has been a year or two since you've been enrolled in chemistry. It is important that you take some time this summer to remember the basics. Throughout the summer, you will have a few tasks to complete. The purpose of this work is to review the basics. Keep note if there are any of the topics that we would need to revisit when school resumes this fall.

The work will be organized into two week chunks, in order to account for vacations, down time, jobs, personal responsibilities, and such. It is not my intention for you to struggle through this work, but if you have questions I will be available via email. You are encouraged to use online resources to review topics independently before asking for help. The schedule is as follows:

Assignment 1 – Due July 5, 2019 at midnight

Significant Digits and Dimensional Analysis: This section will give you an opportunity to practice identifying and using significant digits. Significant digits are applied at the end of calculation.

Assignment 2 – Due July 19, 2019 at midnight

Chemistry Basics: This section will review the basics of atomic structure using electron configuration, finding percent composition, balancing chemical reaction and types of chemical reactions.

Assignment 3 – Due August 2, 2019 at midnight

The Mole: This section will offer questions where the mole will be used as a conversion factor. This section will include stoichiometry problems and the application to limiting reagent problems.

Assignment 4 – Due August 16, 2019 at midnight

Naming Compounds: This section will offer you practice naming and writing formulas for ionic compounds, covalent compounds, and acids. It will be important for you to have committed common polyatomic ions to memory at this point.

Assignments will be listed in in the Assignments or Topics tab for AP chemistry, summer session.. We will maintain a Sunday night schedule throughout the summer. The first one will be due on Monday night due to the holiday. *Assignments will close at midnight on their due dates*; I will not be reopening assignments after their due dates. These assignments will be put into a single online assignment grade for first quarter next year.

There are two ongoing assignment that will have due dates once class starts in the fall; element symbols and polyatomic ions. These will be posted on the on campus page.

If you have any further questions or concerns, do not hesitate to contact me.

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