

AP CHEMISTRY SUMMER WORK 2016

1. Visit

<https://apchemistrynmsi.wikispaces.com/file/view/Chem%20CB%20Formula%20Sheet.pdf/522331222/Chem%20CB%20Formula%20Sheet.pdf>

This is the periodic table you will be using for the year. It also includes the reference information that you will have on every test during the year and the AP Exam on May 1, 2017. **PRINT THEM OUT AND KEEP THEM IN YOUR NOTEBOOK/FOLDER.** (Create a section to store all reference material that you'll get throughout the year)

2. Your summer assignment is designed so that you don't completely forget the key concepts from Chemistry Honors that are going to be so important in AP Chemistry. You can use this year's textbook if you don't remember. There will be questions on:

- Writing Chemical formulas, ionic covalent and acid
- Empirical formula
- Mole conversion
- Stoichiometry
- Balancing equations
- Periodic trends
- Intermolecular forces
- Molarity calculations
- pH calculations
- Gas Laws

You will be doing 5 QUEST assignments that will be due throughout the summer (8-10 questions each). Many of you have used this homework program before so you should already have an ID and password (Quest asks that you do not generate a second account – it makes it difficult for them to keep your submissions straight). If you have never used this program before you can go to https://idmanager.its.utexas.edu/eid_self_help/?geid to register. Once you register, I have to accept you into the course, then you're good to go. Please complete this process by June 6 because I will not be checking the course very much after this date.

To find the assignments, go to the institution 'Pembroke Pines Charter HS' choose the instructor 'Glenn' (go to the Summer 2016 semester) and open the course '16-17 summer'. The "unique number" is 1617. I will make the assignments due every 2 weeks but once I open them at the beginning of the summer, you can do them anytime up until the due date and time. The solutions will be available an hour after the due time.

3. Memorize: (There will be a short quiz on these topics on the 2nd day of school.)

- common mono- and polyatomic ions and their charges, (this site will give you flashcards to help you do this)
<http://www.conejousd.org/Portals/49/Departments/Science/ponce/ion%20flash%20cards.pdf>
- solubility rules <http://www.scc.losrios.edu/valino/documents/solubility-rules.pdf>
- naming ionic compounds and acids
http://www.occc.edu/kmbailey/chem1115tutorials/Name_Ionic.htm
<http://www.chemteam.info/Nomenclature/Acid-Nomenclature.html>

4. We will be using an e-book, 9th edition of Zumdahl Chemistry that you will register for when you return in August. This site will also include most of the homework assignments in an electronic form. You also will get the hard copy 6th edition of Zumdahl Chemistry to use at home throughout the year.

5. The Bozeman Science AP Chemistry playlist is an amazing resource for the entire year (it is based directly on the learning objectives provided by the College Board for this course) and might help with some of the summer assignment. <http://www.bozemanscience.com/ap-chemistry/>
6. My e-mail is pglenn@pinescharter.net or paglenn1125@gmail.com if you have any questions (send to both to make sure I can get and reply to from anywhere). You can also text me any time at 954 258-1942.

HAVE A GREAT SUMMER!!!