AP Chemistry Summer Review

Welcome to AP Chemistry! I am excited to further explore our amazing world through chemistry.

This is a list of topics I expect you to be comfortable with when we start class on September 12. I believe all of these have been covered in your intro chem class, so you should have this information in your notebook. (You do have your notebook, don't you? LOL)

- Moles and molar mass
- Elemental composition of pure compounds (percent composition by mass)
- Composition of mixtures
- Atomic structure & electron configurations
- Periodic trends
- Valence electrons & ionic compounds
- Types of chemical bonds (molecular, ionic & metallic)
- Lewis diagrams
- Resonance
- VSEPR & hybrid orbitals
- Physical & chemical changes
- Types of chemical reactions

There are resources on my e-board (pw: griffins) for these topics, including descriptions/explanations, example problems, and practice problems (with answers). I will be happy to answer questions as you work through these. I will be posting problems by July 4 for you to turn in on September 12.

Along with setting up my syllabus and calendar, I will be attending class for a week in July for AP chem instructors. I am looking forward to finding out what is new with AP, and what new resources are available to help you do your best in class.

I have a important question for you to ponder over the summer… If you had to choose, would you rather cover all the material that may be on the exam even if you may not fully grasp it all, or would you rather spend extra time on topics to aid your understanding, even if that means we might not cover everything that may be on the exam. We will discuss this on our first day.

Chem will be open during flex to answer questions at any time, but especially before tests & quizzes. I don't know if we will be able to schedule a review class before tests, since the schedule is under construction, but I will try and schedule one as often as I can.