

2011 SUMMER ASSIGNMENT for AP CHEMISTRY

To: Students registered to take AP Chemistry in 2011-2012

From: Dr. Schrempp

I know that you're looking forward to the end of the school year, and starting academic work for next year is not high on your agenda of things to do. But alas, there is a summer assignment for AP Chemistry. The AP Chemistry curriculum is *extremely* content-intensive... FAR more so than Prep Chem. We must move the course at a brisk pace and we must assume that you are very solid and confident with respect to the topics covered in Chem I-P. Therefore, I assign summer work to review you on key Prep Chem topics.

None of the material assigned for summer work should be brand new to you. You just need a review, and you need to get used to working much more challenging problems. At the start of the 2011-12 school year, we will spend only one or two days going over chapters 1-3 of the AP Chemistry text. We will then begin our studies with Chapter 4 of the AP Chemistry book, with the assumption that you know the material from Chapters 1-3. There is no need to re-teach material you already know nor is there time to do that.

Get to know my website, <http://drschempp.com>. If you click on the "AP Chemistry" tab on the homepage, you will be able to view the full course schedule. You can also email me from the homepage, and there are lots of helpful links on the site and the course schedule. This coming year I will be building the content of my School Loop site also, and will have worksheets, tutorials, and references on that site also.

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**Refer to the text. PDF copies of the first three chapters are available on my website,
<http://drschempp.com>**

IMPORTANT! You Must Show all work!

Chapter 1. Matter and Measurement

End of Chapter (EOC) Problems (pp. 30-33): 1.32 through 1.54 (even numbers only), 1.59, 1.62, 1.65, 1.67.

Chapter 2. Atoms, Molecules and Ions

EOC Problems (pp. 66-72): 2.4, 2.12, 2.16, 2.18, 2.24, 2.34, 2.40, 2.44, 2.48, 2.50, 2.52, 2.54, 2.56, 2.58, 2.62

Chapter 3. Calculations with Chemical Formulas and Equations

EOC Problems (pp. 104-110): Show your math for all problems. 3.6, 3.12, 3.14, 3.16, 3.18, 3.28, 3.30, 3.32, 3.34, 3.40, 3.44, 3.54, 3.56, 3.60, 3.70

Also:

- review the **AP Ion Sheet** and **memorize** the ions on the ion flash cards.
- **Memorize** the Solubility flash cards.

IMPORTANT: You will be tested on the information contained in Chapters 1 thru 3, the AP Ion sheet, and the solubility rules at the end of the first week of school. This will be worth full test points (100 points), so be sure you prepare!!!

My e-mail address is cschempp@verizon.net. Don't hesitate to e-mail with questions.