

June 2010

Dear AP Chemistry Student,

Welcome to AP Chemistry. The time between August and the AP test in May is deceptively short. Your test will be the first day of AP testing. In order to prepare for this extensive test, you will need to further your understanding of the six main topics we studied in high school chemistry and add to that six new topics. You will need to master all of this information to the level required of a college student. To reach that goal, you will need to acquaint yourself with the 6 new topics. Therefore, you must complete the following assignment this summer:

Read the following chapters in your Honors Chemistry book, Introductory Chemistry, by Zumdahl and De Coste:

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| Chapter 14 | Liquids and Solids* |
| Chapter 15 | Solutions* |
| Chapter 16 | Acids and Bases* |
| Chapter 17 | Equilibrium* |
| Chapter 18 | Oxidation, Reduction, and Electrochemistry* |
| Chapter 19 | Radioactivity and Nuclear Energy |
| Chapter 20 | Organic Chemistry |

Also read in the AP Chemistry book, Chemistry the Central Science, tenth edition, By Brown, LeMay and Bursten:

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|-----------|--------------------------------------|
| Chapter 1 | Introduction: Matter and Measurement |
| Chapter 2 | Atoms, Molecules and Ions |

Begin a notebook. Include in it:

- notes for the chapters.
- Do **every other** even numbered question at the end of each chapter in the Honors book and **every other** odd numbered question for the AP book. (I have assigned problems for which answers are available in the back of the book. The work, not the answer is what I will be looking for.) Show all of your work. Clearly mark any questions that you will need help with. We will discuss these questions the first full day of class. (If we had done some of these questions already as Honors Chemistry homework you may turn in that work rather than re-work the problems)
- Work any extra problems in chapters 15 thru 18 that you have time for. These topics comprise a large portion of the AP test. Pay careful attention to chapters 19 and 20 because we may never get time to spend more than a day on either topic. They comprise about 5% each of the AP test, but students saw questions that used this information on a past test.

* These are chapters I we covered at least parts of in Honors Chemistry. You may use any work you previously did for the Honors class as part of this assignment.

All of your notes and your work will be collected and graded. You will have a test on this information within the first two weeks of school.

If you have already sold your book and cannot borrow it back for the summer come and see me. I have one or two I could lend or I can give you a comparable assignment from an older book.

If you have any questions or concerns come and see me in room 206 before. Otherwise, email me at hnameth@olla.org. I will check my email only about once a week in the summer.

Good luck. Have a safe and happy summer.

Sincerely,
Mrs. Nameth