

## AP CHEM SUMMER ASSIGNMENT

June 2017

I look forward to working with you in AP Chem next year. It is a challenging course that I hope you will find interesting and rewarding. I am asking you to review material you covered in Honors Chem over the summer so we can begin AP material the first full week of class. I will not take class time to cover / review the first five units of the text, Zumdahl / Zumdahl Chemistry 7<sup>th</sup> edition. However, I will address any specific questions you have about material covered in the text or the assigned problems.

### Specific tasks to complete over the summer

Memorize the name, symbol and periodic table location of the elements that are not crossed out on the enclosed periodic table. Expect a test on these the first week of class. You will be given the name of the element and have to write the symbol or you will be given the symbol and have to write the name. You will have to write the element symbol in the correct location of the periodic table. You will be given only one periodic table test.

As needed read text chapters 1 – 5 pages 1 – 214. Do the following problems, answers are in attachment A. If there are more than 3 parts to a problem as indicated by lower case letters then only do parts a, c, e, g. Plan on 20 – 30 hours to complete this assignment. This assignment is worth 20 points.

### **SHOW ALL YOUR WORK**

page 71; 43, 51

page 118; 39, 41, 43, 45, 47, 49, 51

page 120; 73, 75, 81, 83, 85, 87

page 122; 101, 109

page 172; 23, 25, 27, 35, 37, 39, 41

page 174; 59

page 220; 35, 39, 41, 43, 47, 49, 51

page 222; 69, 73, 75, 77, 81

page 72; 55, 57, 59, 61, 63, 65, 67

page 119; 59, 63, 65, 67, 69

page 121; 89, 91, 93, 97, 99

page 171; 17, 21

page 173; 43, 45, 47, 51, 55, 57

page 219; 27, 29, 33

page 221; 53, 55, 57, 65

page 223; 83, 85

This task is due the first day of AP Chemistry. Expect a test on this material the first or second full week of class.

You are expected to know the SI system of measurement, common metric conversions, significant figures, rounding, scientific notation and calculations involving these operations, density and classification of matter.

You will need the following materials for the course; one 3" or two 2" three ring binders, loose leaf paper, at least one composition notebook, and pencils with erasers. You may want your own nongraphing / nonprogrammable calculator. You **will not** be allowed to use graphing or programmable calculators on tests.

Have a good and safe summer.

Mrs. Wiedman