

AP CHEMISTRY

SUMMER ASSIGNMENT 2009 – Due Sept. 3

Read Chapter 1, Let's Review Section, and Chapter 2. Also, review Appendices A, B, and C in the back of the book.

In Let's Review, pay particular attention to dimensional analysis and to significant figures.

In Chapter 2, pay particular attention to the mole and naming compounds.

MEMORIZE:

- six SI base units (p. 25)
- metric prefixes along with their symbols and values (p. 26):
mega, kilo, deci, centi, milli, micro, nano, pico
- Table 2.4, formulas, names and charges of polyatomic ions (p. 74)

Complete the following questions and problems. These will be collected on Sept. 3rd. There will be a test on Chapter 1 & 2 in the second week of school.

Note that the answers to some of the questions are in the back of the book in Appendix O.

As will be true all year, **show all your work and include units** in any problem involving calculations.

Chapter 1: (pp. 21 – 23)
4, 6, 8, 10, 14, 20, 30, 32

Let's Review (pp. 43 - 49)
4, 10, 16, 18, 20, 22, 24, 30, 34, 36, 38, 44, 48, 50, 52, 60

Chapter 2: (pp. 100 – 111)
2, 4, 8, 10, 12, 16, 18, 20, 22, 24, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 72, 74, 76, 78, 80, 82, 108

We look forward to an exciting year with you. Meanwhile have a great summer!

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