Welcome to AP Chemistry! I am so glad you decided to take the class. ☺ AP chemistry builds on prior knowledge so it is important to have a solid foundation. With that in mind, I have selected your summer assignment to include basics from first-year chemistry that we will build upon. For the reading assignments, you choose how much time you need to spend on the material to have mastery.

First Assignment (Due Aug 8)

**1A.** Enroll in the **AP Chemistry (2023-24)** class on Remind. Send a text to 81010 and text this message @202324apc or visit <https://www.remind.com/join/202324apc>

**1B.** Review Chapter 0 (zero) in your textbook (pp. 2-20), and Chapter 1, sections 1.1-3 (pp. 26-34).

**1C.** Using dimensional analysis work the following problems from your textbook. There are useful conversion factors inside the back cover of your textbook.

i) Problem 0.17 (p. 20)

ii) Problems 0.64 and 0.73 on p. 24

🢡 **IMPORTANT NOTE –** in AP Chemistry, you must ***ALWAYS*** show your work. If you do not, you will not get credit for it in the class, nor will you receive credit for your answers on the AP test. Make whatever adjustments are necessary to do this – it is not an option.

🢡 **Submit assignment to** [**jvillers@rcps.info**](mailto:jvillers@rcps.info) **Please scan your work and attach to email as a pdf.**

Second Assignment (Due Aug 15)

**2A.** Review Chapter 6 in your textbook (pp. 200-227).

**2B.** Using dimensional analysis when appropriate, work the following problems from your textbook:

Problems 6.63 a-b, 6.69, and 6.111 (starting on p. 230). (You will need to show all of your work.)  
  
🢡 **Submit assignment to** [**jvillers@rcps.info**](mailto:jvillers@rcps.info) **Please scan your work and attach to email as a pdf.**

Third Assignment (Due Aug 21)

**3A.** Review Chapter 7 in your textbook, sections 7.1-4 (pp. 236-243).

**3B.** Using dimensional analysis where appropriate, work the following problems from your textbook:

Problems 7.32a, 7.34a, 7.42 and 7.53 (starting on p. 268). (And yes, you will need to show all of your work.)

**3C.** Memorize the ***solubility rules*** and the ***ion list***, and make sure you know what ***net ionic equations*** are, and how to write them. There will be several quizzes on these during the first two weeks of school.

🢡 **Submit assignment to** [**jvillers@rcps.info**](mailto:jvillers@rcps.info) **Please scan your work and attach to email as a pdf.**