

AP Chemistry Summer Assignment (Revised 8/1/23)

Complete the following problems in the Zumdahl 7th Edition Chemistry textbook ([online link here, must be on school account](#)) and the Khan Academy Unit Chemical Reactions and Stoichiometry. **Show your work.** The Student Solutions Manual is highly recommended and can be checked from the school library as well as the textbook. You may have to create a Khan academy account first to access them.

1. Ch 1 #27, 29, 33, 35, 37ab, 39a, 51 °C and K only, 56, 57, 59, 65
2. Ch 2 #43, 45, 49, 51, 53, 55-60, 65, 66, 67, 68(a-f)
3. Ch 3 #27, 28, 29, 35, 39, 40b, 53, 57
4. [Khan Academy Unit - Balancing Chemical Equations, Stoichiometry](#), and first quiz (stop after and do not go on to limiting reagent)

8th Grade? or New to Chemistry MANDATORY? or need additional review? Complete the following Khan academy units below before you attempt the summer assignment above.

[Introduction to the Periodic Table \(do not do Periodic Table Trends\)](#)

[Unit: Atoms, Compounds, and Ions](#)

Unit 6, Lesson 14 Arithmetic: [Significant figures](#)