

Summer Study Guide for AP Chemistry 2019-2020

Assignments

You will need to read through the first five chapters of Zumdahl textbook and work through the assigned problems (listed below). I will cover chapter 5 during the first two weeks of next school year. The study guide problems are based on 6th edition of Zumdahl text (old edition). It is still helpful to go through the problems. You should have a composition notebook to write down the assigned problems and these assigned problems will be graded and counted as a formative assessment for next school year. Start each chapter with a new page.

As you read the chapters, please note the following: -Chapter 3 covers stoichiometry you should spend some time in Sections 3.7 and 3.11. -The method for balancing redox reactions in 4.9 is over simplified. I will provide you more detailed methods to solve those types of problems later on Schoology. You should also spend more time on Chapter 5 since we did not have time to cover in honor chem this year. New sections: pay particular attention to gas over water (water vapor mixtures) on page 212 as these have appeared on previous AP tests, molecular velocity on page 220, and non-ideal gas behavior in sections 5.7 and 5.8.

- Chapter 1 - Page 38: problems 89, 99 and 101
- Chapter 2 - Pages 76-78: problems 67, 71, 77, 79, 83, 85, 87 and 95
- Chapter 3 - Pages 128 - 133; problems 37, 39, 41, 45, 49, 51, 53, 55, 57, 59, 61, 77, 81, 83, 87, 93, 95, 101, 107, 111, 117, 123 and 125.
- Chapter 4 - Pages 181-184; problems 23, 27, 35, 49, 55, 65, 69, 71, 77, 79 and 81
- Chapter 5 - Pages 236 – 240; problems 43, 45, 49, 51, 61, 63, 65, 67, 73, 77, 81, 85, 95, 105 and 109

You can also get a copy of “Cracking the AP Chemistry Exam” from the Princeton Review. Buy the most recent edition from bookstore or online. Used copy may be cheaper if you can get one from previous students. The text is easier than the textbook. The problems are more like what is on the AP test.

You should also join my Summer AP Chemistry course on Schoology. The access code is ZH7Z-GWC-57X9D. I will post more materials during summer.