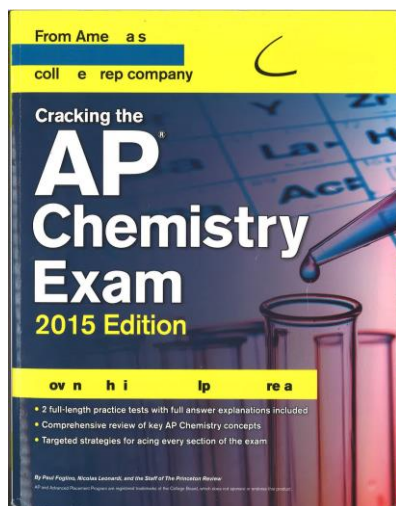


Summer Study Guide AP Chemistry 2016-2017

Version 5/28/2017



Not a very good screen shot ☹

AP Chemistry will use the Princeton Review AP Chem study guide. We will work out of the 2016 or 2017 edition. Charter will use the same guide but use it later in the year. The answers for every question is in each section

You should get one. This one cost about \$21 at the Barnes and Noble in the Mall. You might be able to get a better price. If getting one is too big of an obstacle, e-mail me immediately.

The text is deceptively easy. The problems are more like what is on the AP test. You will probably need to use the internet or contact each other to figure some of this out.

Meeting schedule sent out soon. steven.field@redclay.k12.de.us cell 302-605-6513

Assignments

We will be covering the 1st five chapters from the Zumdahl text (problems below). When we get together over the summer, we will be going over the questions that you select you are having trouble with. As you read the chapters, please note the following:

- Sections 3.6, 3.7 and 3.11 are new and you should spend some time looking at them.
- The method for balancing redox reactions in 4.9 is over simplified. I will give you more.
- Chapter 5 has more “creative” shortcuts and methods for solving PVnRT problems. 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

Did I intend to give you all the problems? Yes. AP Chemistry is equivalent to 6-8 credits of level 200 Chemistry at the University. We are going to need to be very efficient to prepare you.

Summer meetings: Hockessin Public Library 7pm, Woodside Creamery, or my house

- Dates to be determined.