

Honors Chemistry Study Guide CH. 5

Pressure and the Gas Laws

* Learn any and all vocabulary that is unfamiliar to you. Take notes on concepts for which you have a question. ASK about it in class ASAP. Skip Section 5.6

1. Read Sec. 5.1 and 5.2 Study new terms and definitions. Learn and study the figures 5.2, 5.3, 5.4, 5.5, 5.8 Learn the gas laws their formulas and the individuals who is given credit for the law. Be able to name and draw the graphs associated with each law and individual. Do **many practice problems** as you need to understand the material (take this seriously – you must “schedule” your work time and effort in order to NOT get behind the class at any time). NOTE: Boyle’s Law AND Boyle’s Law II!
2. Read Sec. 5.3 and 5.4 Ideal Gas Law and stoichiometry problems for gases in chemical reactions. (remember now the moles of a gas can be related to the volume of the gas – whose law?). Determining the molar mass of a gas experimentally.
5. Read section 5.5 Dalton’s Law of partial pressures (**when & why** do we use this?) and the Kinetic Theory of Gases up thru page 211 **SKIP THE REST OF THE CHAPTER** –or read it for interest!

CH 5 HOMEWORK

Be certain to always check the hand out I gave you for the acceptable format for every assignment and lab write up (they are not identical) - 3 points is deducted for incorrect headings on any and all assignments or labs

1. **NB:** Pages 231-235 #s 16, 17,
Exercises 25 -71 ODD Problems Do AT LEAST 1/3 of these for practice
2. **QUIZZES:** After each section
5. **TO BE HANDED IN: DUE DATES AT THE BOARD WRITE THESE IN YOUR ASSIGNMENT BOOK.** If you are NOT in school on the due date try and turn the assignment in early – otherwise, come and see me immediately upon your return to school in the am or right after school (not at the beginning of the period. We need more time to set up possible tutoring and determine your makeup date.) IF you ARE in school but miss my class for an excused reason, the assignment is due. You, should turn it in to me BEFORE school begins that day. If you come in during the day and have missed class you must turn the assignment is ASAP after your arrival (between classes if necessary.) NO late assignments - a zero score will be recorded. This is the most detrimental thing you can do to your grade. Make it a priority to get your work in on the due date or earlier.

NEVER lay any paper you are turning in on my desk. Make certain it comes to me in my hand. A lost or “late” paper you lay on my desk will receive a zero grads.

Exercises Pages 230-235:

Assignment #1: 26-38 EVENS

Assignment #2: 42-56 EVENS

Assignment #3: 58-70 EVENS

6. **Test Ch 5** See board for date

LAB # 6: Charle’s Law and determination of absolute zero!