

Chemistry Ch 10 STUDY GUIDE

GAS Laws

- **LEARN all vocabulary** that is unfamiliar to you as you read. ASK your questions in class ASAP. Do the **Section review questions AND the REVIEWING CONCEPTS from this study guide, at the end of the chapter, on LOOSE LEAF TO BE TURNED IN WHEN THE CHAPTER IS FINISHED.**

Sec. 10.1: STUDY and learn all new definitions. Learn the 5 parts of the Kinetic-Molecular theory for gases. Learn the formula for kinetic energy of a molecule ion or atom. Do sec reviews and end of chapter Reviewing Concepts NOW

Sec 10.2: Pressure Learn the units of pressure the formula and the definition. Learn the 6 standard values for pressure of gases – in mm of Hg, atm, Pa, kPa, torr, lbs/in² Be able to convert any of these units into any of the others. **Do sec reviews and end of chapter Reviewing Concepts NOW**

Sec. 10.3: GAS LAWS Learn and be able to solve story problems using Boyle's, Charles's, Gay-Lussac's, the Combined gas law, Dalton's Law of Partial Pressures to solve gas problems **Do sec reviews and end of chapter Reviewing Concepts NOW**

***IN YOUR NB:** Reviewing Concepts end of chapter pages 327: #s 1 - 6
and problems pages 327 – 329 #s 15 – 19

HAND IN Pages 328 - 329

Assignment #1: #s 20 - 24

Assignment #2: #s 25 – 30

Assignment #3: #s 31 – 38 EVEN

Assignment #4: #s 39 – 43

QUIZZES ON EACH SECTION AND ALL NOTEBOOK, HOMEWORK AND HANDOUTS TO CHECK ON YOUR UNDERSTANDING AND TO BE CERTAIN YOU ARE KEEPING UP WITH THE CLASS.

Charles's Law Lab: Volume vs. Temperature of a gas