

# Summer Activity in Chemistry      Chemistry I (rising juniors)

Web site:

<https://www.gpb.org/chemistry-study-of-matter>

Please go to the link above and complete the assignments below during the summer months. Keep a three ring notebook by section of the completed worksheets. The assignments are due **the day you return** to school for full credit. You will be tested on this material upon return to school.

## Chemistry 605: Types of Reactions and Predicting Products

Video with note taking guide

Writing and Identifying Equations Worksheet

More Fun with Equations Worksheet

## Chemistry 702: Percentage Composition and Empirical Formulas

Video with note taking guide

Percentage Composition and Empirical Formulas Worksheet

## Chemistry 901: Kinetic Theory, Atmospheric Pressure, and Gas Pressure

Video with note taking guide

Print the Gas Laws Formula Sheet

## Chemistry 902: Boyle's Law and Charles' Law

<http://www.gpb.org/chemistry-physics/chemistry/902>

Video with note taking guide

Boyle's Law and Charles' Law Worksheet

**Print: Boyle's Law Lab** – Datasheet and Charles's Law Lab Datasheet. **Read and be prepared to do these labs the first day of school.**

## Chemistry 903: More About the Behavior of Gases

Video with note taking guide

Combined Gas Law and Ideal Gas Law Worksheet

Dalton's Law, Avogadro's Law, and Molar Volume Worksheet.

**Print: Gas Laws Activity Day Lab** – Datasheet. **Read and be prepared to do this lab the second rotation of school.**

## Chemistry 1001: Solutions: A Special Type of Mixture

Video with note taking guide

Solutions Introduction Worksheet

## Chemistry 1002: Solubility

Video with note taking guide

Solubility Graphs Worksheet

## Chemistry 1003: Molarity and Colligative Properties

Video with note taking guide

Molarity Worksheet

Unit 10 Review