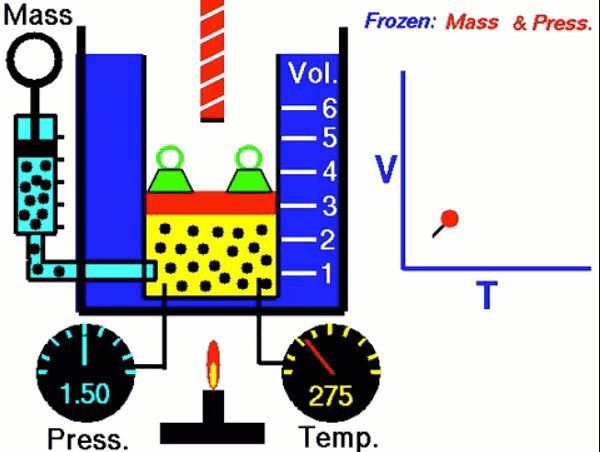
**Gas Laws Chapter 3.2**

**See** [**https://www.learningctronline.com/courses**](https://www.learningctronline.com/courses) **for Materials and Resources.**

**Topics:**

1. Gas Laws

**Objectives:**

* Explain the behavior of gases based on the kinetic theory of Gases.
* Define pressure, volume, moles, and temperature in relation to gases.
* State and apply Boyle’s law, Charles’s law, and the combined gas law to calculate the relationships between volume, temperature, moles, and pressure.

TAKE NOTE

1. Guided Reading Note-Taking Worksheet (Pearson Text)
2. Pearson Concepts in Action Worksheet
3. Gas Laws Review Sheet
4. Lab Gas Laws
5. Week 7 Devotional (<https://www.learningctronline.com/devotional>)

**Text**: Chapter 3: Gas Laws pp. 75-83

**Guided Reading Note-Taking Worksheet:**

Complete the worksheet for Chapter 3: Gas Laws (3.2).

**Class Notes: PowerPoint or PDF**

**Homework**:

* 3.2 Gas Laws Worksheet (Pearson Concepts in Action)
* Gas Laws Review Sheet
* Assignments will be “spot checked” during class or submitted via email.

**Lab**: Gas Laws Lab

* Perform the lab as directed using the worksheet provided.
* Complete all calculations and data, showing work whenever appropriate.
* Conclusions should be answered in complete sentences that convey a complete thought.
* Save the documents into your LAB folder in the Physical Science folder on your desktop.
* *Assignments will be “spot checked” during class or submitted via email.*

**TEST:** The test will be given after next week’s lesson.

Supplemental Resources (Optional)

1. Pressure Activities

[**http://somup.com/cqQXrheAbh**](http://somup.com/cqQXrheAbh) **Kinetic Theory ctr (2:01) super ball and elastic collisions**

[**https://screencast-o-matic.com/watch/cFeY3gDvx1**](https://screencast-o-matic.com/watch/cFeY3gDvx1) **Pressure Demonstrations (5:32)**

**PSI (Breaking a Board using Atmospheric Pressure)**

**Manometer Readings**

Boiling Water below 50 C

[**http://somup.com/cFQ6XyVShZ**](http://somup.com/cFQ6XyVShZ) **Collapsing Can (0:47)**

<http://somup.com/cZnl2gpbtr> Charles' Law & Gay-Lussac's Law (3:50)

[**http://somup.com/cFXiDHn19g**](http://somup.com/cFXiDHn19g) **Boiling Water Using ICE! ctr (3:08)**

<http://somup.com/cYhIoCjrKq> Work as to the Lord Colossians 3:23; Caught in the Middle (5:06)