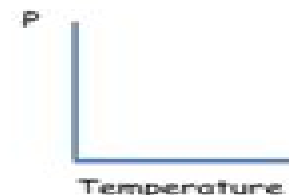
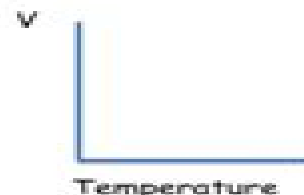


## Bouncing off the Walls PhET Gas Law Simulation 2013

**GO TO:** <http://phet.colorado.edu/en/simulation/gas-properties> OR google "Phet Gas properties".

**GOAL:** to investigate the effect of: a) volume on pressure; b) temperature on volume;  
c) number of particles on pressure; d) temperature on pressure.

**PRELAB:** Sketch your prediction of each relationship.



### COLLECTING DATA

#### PART 1: Effect of Volume on Pressure

1. Hit the reset button.
2. In the upper left corner under "Constant Parameters", select "Temperature". This will keep the temperature relatively constant. Set the number of particles to a constant value.
3. To measure the volume, hit the button "Measurement Tools" and select the "Ruler". The ruler can be moved so you can measure the size of the box to get a measurement of volume.
4. Take 5 separate measurements over a large range of numbers without exploding the container.

**Table 2:** Volume and Pressure of a gas with temperature constant at \_\_\_\_\_ and Particles constant at \_\_\_\_\_

Volume (nm)					
Pressure (atm)					

Questions:

1. What is the independent variable?
2. What is the dependent variable?
3. What 2 factors are being held constant?

# Gas Laws Graphing Activity Phet Answers

**B Lingard**



## **Gas Laws Graphing Activity Phet Answers:**

The book delves into Gas Laws Graphing Activity Phet Answers. Gas Laws Graphing Activity Phet Answers is an essential topic that must be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Gas Laws Graphing Activity Phet Answers, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
    - Chapter 1: Introduction to Gas Laws Graphing Activity Phet Answers
    - Chapter 2: Essential Elements of Gas Laws Graphing Activity Phet Answers
    - Chapter 3: Gas Laws Graphing Activity Phet Answers in Everyday Life
    - Chapter 4: Gas Laws Graphing Activity Phet Answers in Specific Contexts
    - Chapter 5: Conclusion
  2. In chapter 1, this book will provide an overview of Gas Laws Graphing Activity Phet Answers. This chapter will explore what Gas Laws Graphing Activity Phet Answers is, why Gas Laws Graphing Activity Phet Answers is vital, and how to effectively learn about Gas Laws Graphing Activity Phet Answers.
  3. In chapter 2, this book will delve into the foundational concepts of Gas Laws Graphing Activity Phet Answers. The second chapter will elucidate the essential principles that must be understood to grasp Gas Laws Graphing Activity Phet Answers in its entirety.
  4. In chapter 3, the author will examine the practical applications of Gas Laws Graphing Activity Phet Answers in daily life. This chapter will showcase real-world examples of how Gas Laws Graphing Activity Phet Answers can be effectively utilized in everyday scenarios.
  5. In chapter 4, this book will scrutinize the relevance of Gas Laws Graphing Activity Phet Answers in specific contexts. The fourth chapter will explore how Gas Laws Graphing Activity Phet Answers is applied in specialized fields, such as education, business, and technology.
  6. In chapter 5, the author will draw a conclusion about Gas Laws Graphing Activity Phet Answers. The final chapter will summarize the key points that have been discussed throughout the book.
- The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Gas Laws Graphing Activity Phet Answers.

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