

# GRAPHING TRENDS OF THE PERIODIC TABLE

## CHEMISTRY

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

PERIOD: \_\_\_\_\_

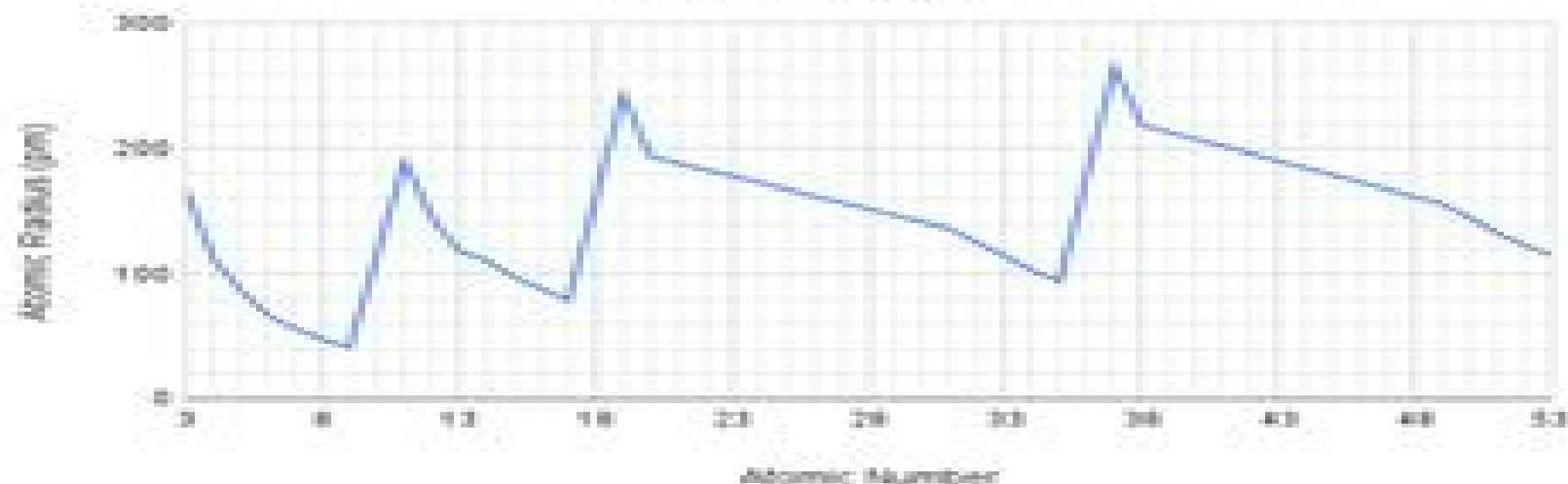
Graphing Periodic Table Trends

**Directions:** Using the provided graph paper, graph each of the elemental properties using a line graph. Place the property on the Y-axis and the Atomic number on the X-axis. Draw a dark, solid, vertical line on each graph where each row on the periodic table ends, (i.e. after atomic number 10). Use the graphs to analyze the trends in these properties and to answer the questions on the back.

Atomic Radius (pm)							
Lithium - 3	152	Sodium - 11	190	Potassium - 19	243	Rubidium - 37	265
Beryllium - 4	112	Magnesium - 12	145	Calcium - 20	194	Strontium - 38	219
Boron - 5	87	Aluminum - 13	118	Gallium - 31	136	Indium - 49	156
Carbon - 6	67	Silicon - 14	111	Germanium - 32	125	Tin - 50	145
Nitrogen - 7	56	Phosphorus - 15	98	Arsenic - 33	114	Antimony - 51	133
Oxygen - 8	48	Sulfur - 16	88	Selenium - 34	103	Tellurium - 52	123
Fluorine - 9	42	Chlorine - 17	79	Bromine - 35	94	Iodine - 53	115

Ionization Energy (kJ/mol)							
Lithium - 3	520	Sodium - 11	496	Potassium - 19	419	Rubidium - 37	403
Beryllium - 4	900	Magnesium - 12	738	Calcium - 20	590	Strontium - 38	550

### Atomic Radius



# Graphing Periodic Trends Chem Lab Answers

**JS Bruner**



## **Graphing Periodic Trends Chem Lab Answers:**

This book delves into Graphing Periodic Trends Chem Lab Answers. Graphing Periodic Trends Chem Lab Answers is an essential topic that must be grasped by everyone, from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Graphing Periodic Trends Chem Lab Answers, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
    - Chapter 1: Introduction to Graphing Periodic Trends Chem Lab Answers
    - Chapter 2: Essential Elements of Graphing Periodic Trends Chem Lab Answers
    - Chapter 3: Graphing Periodic Trends Chem Lab Answers in Everyday Life
    - Chapter 4: Graphing Periodic Trends Chem Lab Answers in Specific Contexts
    - Chapter 5: Conclusion
  2. In chapter 1, this book will provide an overview of Graphing Periodic Trends Chem Lab Answers. The first chapter will explore what Graphing Periodic Trends Chem Lab Answers is, why Graphing Periodic Trends Chem Lab Answers is vital, and how to effectively learn about Graphing Periodic Trends Chem Lab Answers.
  3. In chapter 2, the author will delve into the foundational concepts of Graphing Periodic Trends Chem Lab Answers. The second chapter will elucidate the essential principles that need to be understood to grasp Graphing Periodic Trends Chem Lab Answers in its entirety.
  4. In chapter 3, this book will examine the practical applications of Graphing Periodic Trends Chem Lab Answers in daily life. This chapter will showcase real-world examples of how Graphing Periodic Trends Chem Lab Answers can be effectively utilized in everyday scenarios.
  5. In chapter 4, the author will scrutinize the relevance of Graphing Periodic Trends Chem Lab Answers in specific contexts. This chapter will explore how Graphing Periodic Trends Chem Lab Answers is applied in specialized fields, such as education, business, and technology.
  6. In chapter 5, this book will draw a conclusion about Graphing Periodic Trends Chem Lab Answers. This 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. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Graphing Periodic Trends Chem Lab Answers.

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### **Graphing Periodic Trends Chem Lab Answers Introduction**

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