

Graphing Periodic Trends Activity

Name: _____ Period: _____

Use the information in these tables to complete the graph as described below

Symbol	Atomic Radius (Picometers)	First Ionization energy (kJoules/mole)	Electronegativity (4-point scale)
H	31	1312	2.1
Li	128	520	1.0
Na	166	496	0.9
K	203	410	0.8
Rb	220	403	0.8
Cs	244	376	0.7

Symbol	Atomic Radius (Picometers)	First Ionization energy (kJoules/mole)	Electronegativity (4-point scale)
Na	166	496	0.9
Mg	141	738	1.2
Al	121	578	1.5
Si	111	787	1.8
P	107	1012	2.1
S	105	1000	2.5
Cl	102	1251	3.0
Ar	106	1521	---

1. Using colored pencils or pen, list under the symbol (in this order!) the Atomic Radius, First Ionization Energy, and Electronegativity.
2. Use a different color for each property. Example: Write all of the Atomic radius values in red, all of the First ionization energies in green, and all of the Electronegativities in blue. Of course, you can pick any colors that are available, as long as you are consistent.
3. Observe the trends in each property as you go down the Alkali metal group, and as you go across Period 3.
4. Write out each of the statements written on the opposite side, completing each statement with the observed trend (increase or decrease)

H	Across a period (→) atomic radius tends to _____. Across a period (→) first ionization energy tends to _____. Across a period (→) electronegativity tends to _____.						
Li							
Na 166 496 0.9	Mg	Al	Si	P	S	Cl	Ar
K	Down a Group (↓) atomic radius tends to _____. Down a Group (↓) first ionization energy tends to _____. Down a Group (↓) electronegativity tends to _____.						
Rb							
Cs							

Periodic Trends A Graphical Analysis Answer Key

Lingjun Ying



Periodic Trends A Graphical Analysis Answer Key:

The book delves into Periodic Trends A Graphical Analysis Answer Key. Periodic Trends A Graphical Analysis Answer Key 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 Periodic Trends A Graphical Analysis Answer Key, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:

- Chapter 1: Introduction to Periodic Trends A Graphical Analysis Answer Key
- Chapter 2: Essential Elements of Periodic Trends A Graphical Analysis Answer Key
- Chapter 3: Periodic Trends A Graphical Analysis Answer Key in Everyday Life
- Chapter 4: Periodic Trends A Graphical Analysis Answer Key in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, the author will provide an overview of Periodic Trends A Graphical Analysis Answer Key. The first chapter will explore what Periodic Trends A Graphical Analysis Answer Key is, why Periodic Trends A Graphical Analysis Answer Key is vital, and how to effectively learn about Periodic Trends A Graphical Analysis Answer Key.

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4. In chapter 3, this book will examine the practical applications of Periodic Trends A Graphical Analysis Answer Key in daily life. The third chapter will showcase real-world examples of how Periodic Trends A Graphical Analysis Answer Key can be effectively utilized in everyday scenarios.

5. In chapter 4, this book will scrutinize the relevance of Periodic Trends A Graphical Analysis Answer Key in specific contexts. This chapter will explore how Periodic Trends A Graphical Analysis Answer Key is applied in specialized fields, such as education, business, and technology.

6. In chapter 5, the author will draw a conclusion about Periodic Trends A Graphical Analysis Answer Key. 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 Periodic Trends A Graphical Analysis Answer Key.

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