

NAME _____

DATE _____

GRAPHING PERIODIC TRENDS

The Periodic Table is arranged according to the Periodic Law. The Periodic Law states that when elements are arranged in order of increasing atomic number, their physical and chemical properties show a periodic pattern.

Define the following terms(starting on page 170):

Atomic radius-

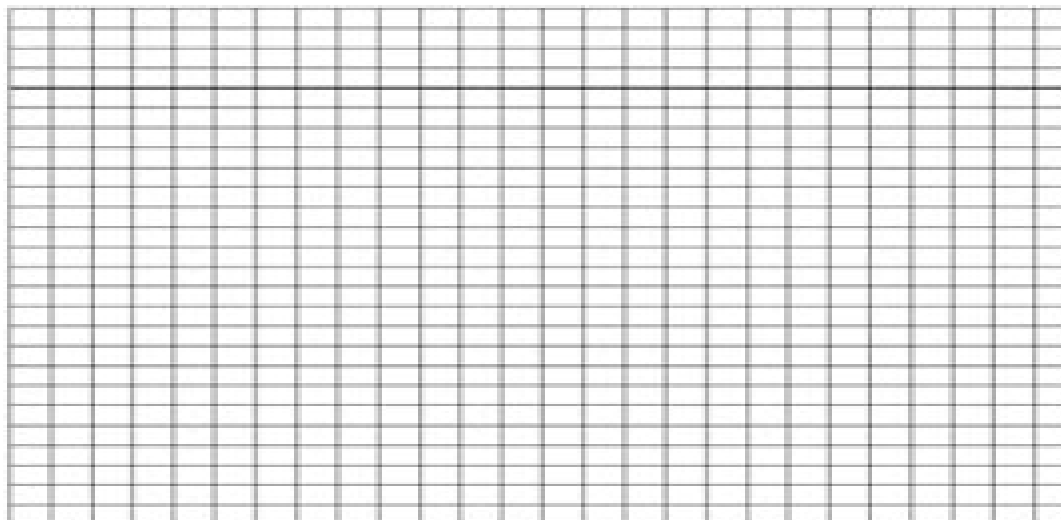
First ionization energy-

Electronegativity-

Graph 1 – Atomic Radius as a function of Atomic Number

- A. Create a graph of the atomic radius as a function of atomic number. Plot atomic number on the X axis and atomic radius on the Y axis. Remember to label the axes!
- B. Use a colored pen, pencil or highlighter to **trace** over the element's period (horizontal row on the periodic table). For example: use GREEN to **trace** for all of the elements in row 1, then use YELLOW to **trace** for all of the elements in row 2, then use ORANGE to **trace** for all the elements in row 3, then use BLUE to **trace** for all the elements in row 4.

Symbol	Atomic Number	Atomic Radius(pm)
H	1	37
He	2	50
Li	3	123
Be	4	89
B	5	80
C	6	77
N	7	70
O	8	66
F	9	64
Ne	10	67
Na	11	157
Mg	12	136
Al	13	125
Si	14	117
P	15	110
S	16	104
Cl	17	99
Ar	18	98
K	19	203
Ca	20	174



1. Describe the trend in atomic radius as the atomic number increases across a period.
2. Describe the trend in atomic radius as the atomic number increases down a group.

Graphing Periodic Trends Worksheet

Richard Bailey

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

Graphing Periodic Trends Worksheet:

The book delves into Graphing Periodic Trends Worksheet. Graphing Periodic Trends Worksheet is a crucial 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 Graphing Periodic Trends Worksheet, encompassing both the fundamentals and more intricate discussions.

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

- Chapter 1: Introduction to Graphing Periodic Trends Worksheet
- Chapter 2: Essential Elements of Graphing Periodic Trends Worksheet
- Chapter 3: Graphing Periodic Trends Worksheet in Everyday Life
- Chapter 4: Graphing Periodic Trends Worksheet in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, the author will provide an overview of Graphing Periodic Trends Worksheet. The first chapter will explore what Graphing Periodic Trends Worksheet is, why Graphing Periodic Trends Worksheet is vital, and how to effectively learn about Graphing Periodic Trends Worksheet.
3. In chapter 2, this book will delve into the foundational concepts of Graphing Periodic Trends Worksheet. The second chapter will elucidate the essential principles that must be understood to grasp Graphing Periodic Trends Worksheet in its entirety.
4. In chapter 3, the author will examine the practical applications of Graphing Periodic Trends Worksheet in daily life. This chapter will showcase real-world examples of how Graphing Periodic Trends Worksheet can be effectively utilized in everyday scenarios.
5. In chapter 4, the author will scrutinize the relevance of Graphing Periodic Trends Worksheet in specific contexts. This chapter will explore how Graphing Periodic Trends Worksheet is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, the author will draw a conclusion about Graphing Periodic Trends Worksheet. 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 Graphing Periodic Trends Worksheet.

<https://staging.conocer.cide.edu/public/scholarship/Documents/esperando%20bla%20bnieve%20ben%20bl.pdf>

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Graphing Periodic Trends Worksheet Introduction

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