

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 20). 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 - 27	295
Beryllium - 4	112	Magnesium - 12	145	Calcium - 20	194	Strontium - 28	219
Boron - 5	87	Aluminum - 13	118	Gallium - 31	135	Indium - 40	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 - 27	403
Beryllium - 4	900	Magnesium - 12	738	Calcium - 20	590	Strontium - 28	550

Atomic Radius



Graphing The Periodic Trends Answer Key

R Sandford



Graphing The Periodic Trends Answer Key:

The Enigmatic Realm of **Graphing The Periodic Trends Answer Key**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing short of extraordinary. Within the captivating pages of **Graphing The Periodic Trends Answer Key** a literary masterpiece penned with a renowned author, readers embark on a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting affect the hearts and minds of those that partake in its reading experience.

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Table of Contents Graphing The Periodic Trends Answer Key

1. Understanding the eBook Graphing The Periodic Trends Answer Key
 - The Rise of Digital Reading Graphing The Periodic Trends Answer Key
 - Advantages of eBooks Over Traditional Books
2. Identifying Graphing The Periodic Trends Answer Key
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Graphing The Periodic Trends Answer Key
 - User-Friendly Interface
4. Exploring eBook Recommendations from Graphing The Periodic Trends Answer Key
 - Personalized Recommendations
 - Graphing The Periodic Trends Answer Key User Reviews and Ratings
 - Graphing The Periodic Trends Answer Key and Bestseller Lists

5. Accessing Graphing The Periodic Trends Answer Key Free and Paid eBooks
 - Graphing The Periodic Trends Answer Key Public Domain eBooks
 - Graphing The Periodic Trends Answer Key eBook Subscription Services
 - Graphing The Periodic Trends Answer Key Budget-Friendly Options
6. Navigating Graphing The Periodic Trends Answer Key eBook Formats
 - ePub, PDF, MOBI, and More
 - Graphing The Periodic Trends Answer Key Compatibility with Devices
 - Graphing The Periodic Trends Answer Key Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Graphing The Periodic Trends Answer Key
 - Highlighting and Note-Taking Graphing The Periodic Trends Answer Key
 - Interactive Elements Graphing The Periodic Trends Answer Key
8. Staying Engaged with Graphing The Periodic Trends Answer Key
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Graphing The Periodic Trends Answer Key
9. Balancing eBooks and Physical Books Graphing The Periodic Trends Answer Key
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Graphing The Periodic Trends Answer Key
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Graphing The Periodic Trends Answer Key
 - Setting Reading Goals Graphing The Periodic Trends Answer Key
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Graphing The Periodic Trends Answer Key
 - Fact-Checking eBook Content of Graphing The Periodic Trends Answer Key
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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