

10.1 Periodic Trends



PERIODIC TRENDS: FROM CONCEPT TO APPLICATION

Section 10.1 continued

In your notebook, read aloud the modern periodic table.

Copy the information in the box on the left below from the periodic table to complete the table on the right.

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_____	100

Atomic Mass	_____
Atomic Number	_____
Electron Configuration	_____
Chemical Name	_____
Chemical Symbol	_____

Put each item in Column A, either the letter of the matching item in Column B.

Column A

- _____ 1. It increases in the periodic table.
- _____ 2. It decreases in the periodic table.
- _____ 3. Group 1 elements.
- _____ 4. Elements that are shiny and conduct electricity.
- _____ 5. Group 17 elements.

Column B

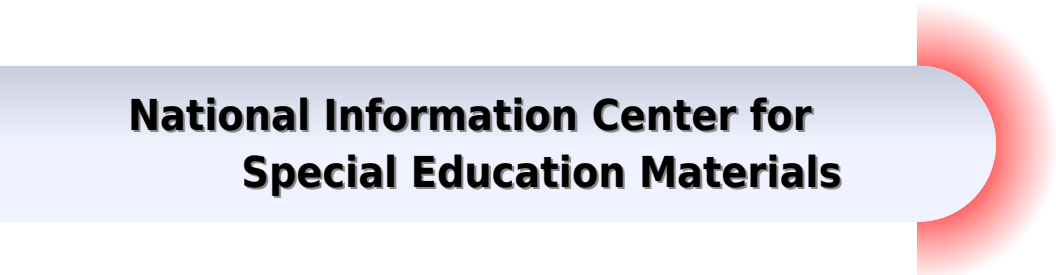
- a. metals
- b. group
- c. period
- d. representative elements
- e. transition elements

In the space on the left, write each of the statements in terms of the statement in italics, change the underlined word as shown in **Model 10.1**.

- _____ 1. *There are four representative elements of elements.*
- _____ 2. *There are three groups of elements in the periodic table.*
- _____ 3. *Group 1 elements are highly reactive metals.*
- _____ 4. *Group 17 elements are highly reactive nonmetals.*
- _____ 5. *Group 1 elements are highly reactive metals.*
- _____ 6. *Group 17 elements are highly reactive nonmetals.*
- _____ 7. *Group 1 elements are highly reactive metals.*
- _____ 8. *Group 17 elements are highly reactive nonmetals.*
- _____ 9. *Group 1 elements are highly reactive metals.*
- _____ 10. *Group 17 elements are highly reactive nonmetals.*

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Table of Contents Study Guide For Content Mastery Volcanic Activity

1. Understanding the eBook Study Guide For Content Mastery Volcanic Activity
 - The Rise of Digital Reading Study Guide For Content Mastery Volcanic Activity
 - Advantages of eBooks Over Traditional Books
2. Identifying Study Guide For Content Mastery Volcanic Activity
 - 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 Study Guide For Content Mastery Volcanic Activity
 - User-Friendly Interface
4. Exploring eBook Recommendations from Study Guide For Content Mastery Volcanic Activity
 - Personalized Recommendations
 - Study Guide For Content Mastery Volcanic Activity User Reviews and Ratings
 - Study Guide For Content Mastery Volcanic Activity and Bestseller Lists
5. Accessing Study Guide For Content Mastery Volcanic Activity Free and Paid eBooks
 - Study Guide For Content Mastery Volcanic Activity Public Domain eBooks
 - Study Guide For Content Mastery Volcanic Activity eBook Subscription Services
 - Study Guide For Content Mastery Volcanic Activity Budget-Friendly Options

6. Navigating Study Guide For Content Mastery Volcanic Activity eBook Formats
 - ePub, PDF, MOBI, and More
 - Study Guide For Content Mastery Volcanic Activity Compatibility with Devices
 - Study Guide For Content Mastery Volcanic Activity Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Study Guide For Content Mastery Volcanic Activity
 - Highlighting and Note-Taking Study Guide For Content Mastery Volcanic Activity
 - Interactive Elements Study Guide For Content Mastery Volcanic Activity
8. Staying Engaged with Study Guide For Content Mastery Volcanic Activity
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Study Guide For Content Mastery Volcanic Activity
9. Balancing eBooks and Physical Books Study Guide For Content Mastery Volcanic Activity
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Study Guide For Content Mastery Volcanic Activity
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Study Guide For Content Mastery Volcanic Activity
 - Setting Reading Goals Study Guide For Content Mastery Volcanic Activity
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Study Guide For Content Mastery Volcanic Activity
 - Fact-Checking eBook Content of Study Guide For Content Mastery Volcanic Activity
 - 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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