

## Chapter 11 Test – The Periodic Table

### UNDERSTANDING KEY IDEAS

Bubble in the letter of the correct answer on the answer-sheet provided.

1. What element makes up about 20% of the air we breathe?
  - a. nitrogen (N)
  - b. bromine (Br)
  - c. oxygen (O)
  - d. sulfur (S)
2. Mendeleev found that the elements' properties followed a pattern that repeated every 7 elements. This repeating pattern is referred to as being...
  - a. interval
  - b. periodic
  - c. repeated
  - d. pyramidal

Use the diagram below to answer question 3.

Cobalt and Nickel Entries in Periodic Table

27 <b>Co</b> Cobalt 58.9	28 <b>Ni</b> Nickel 58.7
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3. The diagram above is an enlargement of a section of the periodic table. What is the biggest difference between an atom of cobalt (Co) and an atom of nickel (Ni) as shown in the periodic table entries?
  - A. An atom of cobalt has a lower number of neutrons.
  - B. An atom of cobalt has more electrons.
  - C. An atom of nickel has more protons.
  - D. An atom of nickel has a higher value for atomic mass.
4. Charles needs a very lightweight metal. Use the periodic table to determine which he would choose.
  - A. silicon
  - B. palladium
  - C. iodine
  - D. scandium
5. In what order are the regions arranged on the periodic table, reading left to right?
  - A. inert gases, metals, nonmetals, metalloids
  - B. metals, metalloids, nonmetals, inert gases
  - C. metalloids, metals, nonmetals, inert gases
  - D. nonmetals, inert gases, metals, metalloids

# Chapter Test Atom And Periodic Table

**Linda D. Williams**



## **Chapter Test Atom And Periodic Table:**

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## **Table of Contents Chapter Test Atom And Periodic Table**

1. Understanding the eBook Chapter Test Atom And Periodic Table
  - The Rise of Digital Reading Chapter Test Atom And Periodic Table
  - Advantages of eBooks Over Traditional Books
2. Identifying Chapter Test Atom And Periodic Table
  - 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 Chapter Test Atom And Periodic Table
  - User-Friendly Interface
4. Exploring eBook Recommendations from Chapter Test Atom And Periodic Table
  - Personalized Recommendations
  - Chapter Test Atom And Periodic Table User Reviews and Ratings
  - Chapter Test Atom And Periodic Table and Bestseller Lists
5. Accessing Chapter Test Atom And Periodic Table Free and Paid eBooks
  - Chapter Test Atom And Periodic Table Public Domain eBooks
  - Chapter Test Atom And Periodic Table eBook Subscription Services
  - Chapter Test Atom And Periodic Table Budget-Friendly Options
6. Navigating Chapter Test Atom And Periodic Table eBook Formats

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