



# IONIC AND METALLIC BONDING

## Chapter Test A

### A. Matching

Match each definition with the correct term. Write the letter of the correct term in the space provided.

#### Column I

- \_\_\_\_\_ 1. electrical energy
- \_\_\_\_\_ 2. ionization
- \_\_\_\_\_ 3. ionic bonding
- \_\_\_\_\_ 4. electron
- \_\_\_\_\_ 5. conductivity
- \_\_\_\_\_ 6. lattice ion
- \_\_\_\_\_ 7. atom
- \_\_\_\_\_ 8. compound
- \_\_\_\_\_ 9. crystalline
- \_\_\_\_\_ 10. noncrystalline
- \_\_\_\_\_ 11. amorphous solid

#### Column II

- \_\_\_\_\_ 12. the attractive force between oppositely charged ions
- \_\_\_\_\_ 13. the attractive force between atoms, molecules, or ions
- \_\_\_\_\_ 14. the force between adjacent parallel layers of atoms
- \_\_\_\_\_ 15. the smallest particles of matter
- \_\_\_\_\_ 16. a group of atoms that are bonded together
- \_\_\_\_\_ 17. regular lattice of ions
- \_\_\_\_\_ 18. neutral particles
- \_\_\_\_\_ 19. the attractive force between atoms, molecules, or ions
- \_\_\_\_\_ 20. the ability to pass an electric current
- \_\_\_\_\_ 21. atoms or ions arranged in a regular pattern
- \_\_\_\_\_ 22. the force between atoms of a solid
- \_\_\_\_\_ 23. the force between atoms of a solid
- \_\_\_\_\_ 24. the force between atoms of a solid
- \_\_\_\_\_ 25. the force between atoms of a solid

### B. Multiple Choice

Write the letter of the correct answer in the space provided.

- \_\_\_\_\_ 26. How many valence electrons does an atom of potassium (K) have?
  - (A) 1
  - (B) 2
  - (C) 3
  - (D) 4

# Chapter 7 Ionic And Metallic Bonding Test Answers

**Arshad Iqbal**



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## **Table of Contents Chapter 7 Ionic And Metallic Bonding Test Answers**

1. Understanding the eBook Chapter 7 Ionic And Metallic Bonding Test Answers
  - The Rise of Digital Reading Chapter 7 Ionic And Metallic Bonding Test Answers
  - Advantages of eBooks Over Traditional Books
2. Identifying Chapter 7 Ionic And Metallic Bonding Test Answers
  - 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 7 Ionic And Metallic Bonding Test Answers
  - User-Friendly Interface
4. Exploring eBook Recommendations from Chapter 7 Ionic And Metallic Bonding Test Answers
  - Personalized Recommendations
  - Chapter 7 Ionic And Metallic Bonding Test Answers User Reviews and Ratings
  - Chapter 7 Ionic And Metallic Bonding Test Answers and Bestseller Lists
5. Accessing Chapter 7 Ionic And Metallic Bonding Test Answers Free and Paid eBooks
  - Chapter 7 Ionic And Metallic Bonding Test Answers Public Domain eBooks
  - Chapter 7 Ionic And Metallic Bonding Test Answers eBook Subscription Services
  - Chapter 7 Ionic And Metallic Bonding Test Answers Budget-Friendly Options

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