Chapter 2 Properties of Matter

Section 2.1 Classifying Matter (pages 38-44)

This section explains how materials are classified as pure substances or mixtures. It discusses types of pure substances and mixtures.

Reading Strategy (page 38)

Summarizing As you read, complete the classification of matter in the diagram below. For more information on this Reading Strategy, see the Reading and Study Skills in the Skills and Reference Handbook at the end of your textbook.



Pure Substances (page 39)

- Is the following sentence true or false? Every sample of a pure substance has exactly the same composition and the same properties.
- 2. What are the two categories of pure substances?
 - Elements Compounds

Elements (pages 39-40)

- 3. What is an element? An element is a substance that cannot be broken down into simpler substances.
- 4. Is the following sentence true or false? The smallest particle of an element is an atom. ____
- 5. Why does an element have a fixed, uniform composition? An element has a fixed composition because it contains only one type of atom.
- Circle the letter before each element that is a gas at room temperature.
 - a. carbon.

(b.) oxygen

C. EDISTICATEV

(d.) mitrogen

Match each element to its correct symbol.

	Element	Symbol
b	7. aluminum	a. C
- 0	8. gold	b. Al
	9. carbon	c. Au

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R Sandford

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- 1. Understanding the eBook Matter Physical Science Study Guide Answers
 - The Rise of Digital Reading Matter Physical Science Study Guide Answers
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Matter Physical Science Study Guide 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 Matter Physical Science Study Guide Answers
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Matter Physical Science Study Guide Answers
 - Personalized Recommendations
 - Matter Physical Science Study Guide Answers User Reviews and Ratings
 - Matter Physical Science Study Guide Answers and Bestseller Lists
- 5. Accessing Matter Physical Science Study Guide Answers Free and Paid eBooks
 - Matter Physical Science Study Guide Answers Public Domain eBooks
 - Matter Physical Science Study Guide Answers eBook Subscription Services
 - Matter Physical Science Study Guide Answers Budget-Friendly Options
- 6. Navigating Matter Physical Science Study Guide Answers eBook Formats

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