

Name: _____

Unit 1 Physical Science Study Guide: Matter/Physical & Chemical Changes **Answer Key**

1. What are the three states of matter?

solid, liquid, gas

2. Name three physical properties.

color, shape, size, texture

3. If heat is removed from a bowl of water, what is eventually happen to the water?

It will freeze and become a solid.

4. When heat is added to a liquid, the liquid will melt.

5. The amount of matter in an object is its mass.

6. Jason left his bicycle outside in the rain. Over time the bicycle rusted. The rust on Jason's bicycle is an example of a chemical change.

7. A rubber duck will float on top of water because the duck has less density than the water.

8. An ice cube melting is an example of a physical change.

9. Burning a piece of paper is an example of a chemical change.

10. If you mix two substances in a chemical change, what would happen?

A new substance will form.

11. If you dissolve Kool-Aid crystals in water and then boil the water until it evaporates, the crystals will be left behind.

12. Name four ways you can tell that a chemical change has taken place.

burning takes place, bubbles forming such as fizz, rust is formed, change in color or smell

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Table of Contents Physical Science Guided Study Work Answers

1. Understanding the eBook Physical Science Guided Study Work Answers
 - The Rise of Digital Reading Physical Science Guided Study Work Answers
 - Advantages of eBooks Over Traditional Books
2. Identifying Physical Science Guided Study Work 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 Physical Science Guided Study Work Answers
 - User-Friendly Interface
4. Exploring eBook Recommendations from Physical Science Guided Study Work Answers
 - Personalized Recommendations
 - Physical Science Guided Study Work Answers User Reviews and Ratings
 - Physical Science Guided Study Work Answers and Bestseller Lists
5. Accessing Physical Science Guided Study Work Answers Free and Paid eBooks
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- Physical Science Guided Study Work Answers Budget-Friendly Options
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 - Physical Science Guided Study Work Answers Enhanced eBook Features
- 7. Enhancing Your Reading Experience
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 - Highlighting and Note-Taking Physical Science Guided Study Work Answers
 - Interactive Elements Physical Science Guided Study Work Answers
- 8. Staying Engaged with Physical Science Guided Study Work Answers
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Physical Science Guided Study Work Answers
- 9. Balancing eBooks and Physical Books Physical Science Guided Study Work Answers
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Physical Science Guided Study Work Answers
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Physical Science Guided Study Work Answers
 - Setting Reading Goals Physical Science Guided Study Work Answers
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Physical Science Guided Study Work Answers
 - Fact-Checking eBook Content of Physical Science Guided Study Work 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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