

# Chemical vs. Physical Changes Review

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## Understanding Chemical Changes in God's Creation

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Answer the following questions based on what you learned about chemical and physical changes.

1. What is a key sign of a chemical change?

- A. Shape change
- B. Color change
- C. Size change

2. What is a chemical change, and how does it differ from a physical change? Give an example.

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3. Chemical changes often produce new substances that have different \_\_\_\_ from the original materials.

4. A temperature shift can indicate a chemical change has occurred.

- True       False

5. Which of the following is NOT a sign of a chemical change?

- A. Gas production
- B. Color change
- C. Melting ice

6. Why is it important to understand chemical changes in the context of God's creation?

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7. One example of a chemical change is the reaction between baking soda and \_\_\_\_.

8. Physical changes create entirely new substances.

- True       False

9. How many key signs of chemical change did we learn about?

- A. Two
- B. Three
- C. Four

10. What did God think of His creation according to Genesis 1:31?

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### Answer Key

1. Color change    2. A chemical change is when substances transform into new substances with different properties. Unlike physical changes, which do not create new substances, chemical changes are often irreversible. An example is baking a cake, where batter transforms into cake.    3. properties    4. True    5. Melting ice    6. Understanding chemical changes helps us appreciate the complexity and

intentional design of God's creation. It shows us how matter interacts in ways that can create new and useful substances. 7. vinegar 8. False 9. Four 10. God saw everything that He had made and said it was very good. This shows His satisfaction with the complexity of creation.