

Classic Chemical Reactions Lab Review

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Understanding Chemical Changes

Name: _____

Date: _____

Answer the following questions based on what you learned in the Classic Chemical Reactions Lab.

1. What are chemical reactions known to create?

- A. The same substances
- B. New substances
- C. No change at all

2. List three signs of chemical change that you might observe during experiments.

3. Colossians 1:17 teaches us that in Him all things ____ together.

4. Chemical reactions can create entirely new substances.

- True False

5. Which of the following is a type of chemical reaction we observed?

- A. Melting
- B. Mixing baking soda and vinegar
- C. Freezing

6. Why is it important to develop careful scientific observation skills?

7. God designed the amazing world of chemical ____.

8. We mixed baking soda and vinegar to observe a chemical change.

- True False

9. How do chemical changes impact our everyday life?

- A. They don't impact us
- B. They help in cooking and cleaning
- C. They only happen in laboratories

10. What do you think might happen when we mix baking soda and vinegar?

Answer Key

1. New substances 2. 1. Change in color
2. Production of gas

3. Formation of a precipitate 3. hold 4. True 5. Mixing baking soda and vinegar 6. It helps us understand God's creation better and ensures accurate results in experiments. 7. interactions 8. True 9. They help in cooking and cleaning 10. I think it will bubble and fizz because a gas is produced during the reaction.