

Conservation of Mass Review

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Understanding the Principle of Conservation of Mass

Name: _____

Date: _____

Answer the following questions based on the lesson about conservation of mass.

- What does the principle of conservation of mass state?
 - Mass can be created and destroyed
 - Mass is neither created nor destroyed
 - Mass only exists in closed systems
- In a chemical reaction, atoms rearrange, but the total mass ____ the same.
- Mass can be created in chemical reactions according to the conservation of mass.
 True False
- Why is it important to study conservation of mass in science?

- Which verse connects God's sustaining power to the principle of conservation?
 - Genesis 1:1
 - Colossians 1:17
 - John 3:16
- A ____ system is important for measuring mass accurately in experiments.
- The total mass before and after a chemical reaction changes.
 True False
- Can you give an example of conservation you observed in your experiments?

- What is the main purpose of the conservation of mass poster project?
 - To create art
 - To explain mass conservation principles
 - To measure mass
- God's design shows consistency in scientific principles because He ____ all things together.

Answer Key

1. Mass is neither created nor destroyed 2. remains 3. False 4. Studying conservation of mass helps us understand how matter behaves in reactions and ensures accurate measurements. 5. Colossians 1:17 6. closed 7. False 8. During our baking soda and vinegar experiment, the total mass before and after the reaction stayed the same, even though gas was produced. 9. To explain mass conservation principles 10. holds