

# Physical Change and Mass Conservation Review

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## Understanding How Mass Remains Constant

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

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

Answer the following questions based on what you've learned about physical changes and mass conservation.

1. What happens to the mass during physical changes?

- A. It increases
- B. It decreases
- C. It remains constant

2. Physical changes alter appearance but not the fundamental \_\_\_\_.

3. Describe a physical change you have observed and how it affected the mass of the substance.

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4. Mass can change during physical transformations.

- True       False

5. Which of the following is a physical change?

- A. Burning wood
- B. Melting ice
- C. Rusting iron

6. According to Colossians 1:17, in God all things hold \_\_\_\_.

7. How can measuring mass before and after a physical change demonstrate God's precision in creation?

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8. Dissolving salt in water is an example of a physical change.

- True       False

9. What is one skill developed through measuring mass in experiments?

- A. Listening
- B. Scientific observation
- C. Reading

10. Why is it important to understand that mass remains constant during physical changes?

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Answer Key

1. It remains constant 2. composition 3. When I cut paper, the pieces still weigh the same as the original sheet. The mass stays constant. 4. False 5. Melting ice 6. together 7. It shows that God designed matter to be consistent and reliable, reflecting His precision in all He created. 8. True 9. Scientific observation 10. It's important because it helps us understand the properties of matter and how they behave in different situations.