

# Matter: It Never Disappears

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## Understanding Matter Cycling in Ecosystems

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

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

Answer the following questions based on the lesson about matter and its conservation.

1. What does the law of conservation of matter state?

- A. Matter can be created and destroyed.
- B. Matter is never created or destroyed, only transformed.
- C. Matter only exists in solid form.

2. According to the lesson, matter is never created or destroyed, it is only \_\_\_\_.

3. How does a leaf decomposing contribute to new life in an ecosystem?

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4. Atoms in ecosystems do not move or recycle through living and non-living systems.

- True       False

5. Which of the following is an example of matter changing form?

- A. Water evaporating to become steam
- B. Water being frozen into ice
- C. Both of the above

6. Why is it important to appreciate God's design in the cycling of matter?

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7. Ecclesiastes 3:1 teaches us that there is a time for every purpose under \_\_\_\_.

8. God's design ensures perfect resource management in nature.

- True       False

9. How does God's design keep matter moving in ecosystems?

- A. By allowing matter to disappear when not needed.
- B. By recycling matter through various processes.
- C. By making matter static and unchanging.

10. In your own words, explain what you learned about matter cycling in ecosystems.

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### Answer Key

1. Matter is never created or destroyed, only transformed. 2. transformed 3. When a leaf decomposes, it breaks down into nutrients that enrich the soil. These nutrients help new plants grow, showing how matter cycles through the ecosystem. 4. False 5. Both of the above 6. God's design shows how everything in nature is interconnected. It helps us understand the balance in ecosystems and the importance of conservation. 7. heaven 8. True 9. By recycling matter through various processes. 10. I learned that matter is always changing form but never disappearing. It moves through different parts of the ecosystem, like when leaves decompose and help new plants grow. This cycle shows how God created a balanced and efficient environment.