

# Review of Physical Changes in Matter

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## Understanding Physical Changes

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

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

Answer the following questions based on what you've learned about physical changes in matter.

1. What defines a physical change?
  - A. A change that creates a new substance
  - B. An alteration in form without changing the substance's identity
  - C. A change that affects the chemical structure
2. Can you give an example of a physical change you have seen?

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3. Physical changes are irreversible.

True       False

4. Examples of physical changes include cutting, melting, \_\_\_\_\_, and dissolving.

5. Which of the following is NOT a physical change?

- A. Dissolving sugar in water
- B. Burning paper
- C. Melting wax

6. How does a physical change differ from a chemical change?

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7. The chemical identity of a substance changes during a physical change.

True       False

8. Physical changes modify how something looks or feels without creating a new \_\_\_\_\_.

9. What did Genesis 2:7 illustrate about transformation, similar to a physical change?

- A. God made man from water
- B. God changed dust into a living being
- C. God created animals from plants

10. Why is it important to understand physical changes in matter?

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### Answer Key

1. An alteration in form without changing the substance's identity   2. One example of a physical change is when ice melts into water.   3. False   4. bending   5. Burning paper   6. A physical change does not create a new substance, while a chemical change does. In a physical change, the identity of the substance remains the same.   7. False   8. substance   9. God changed dust into a living being   10. Understanding physical changes helps us know how matter behaves in different situations and can foster curiosity about science.

