Temperature and Physical Change Review

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Understanding the Effects of Temperature on Matter

Name: _____ Date: _____

Answer the following questions based on what you learned about temperature and physical changes in matter.

1. What happens to ice when it gets warm?

- **A.** It melts into water
- **B.** It turns into steam
- **C.** It stays ice

2. Physical changes are ___ transformations that can be reversed.

3. How does our experiment connect to Ecclesiastes 3:1?

4. Temperature does not affect the state of matter.

◯ True ◯ False

5. How do scientists measure temperature changes?

- **A.** With a thermometer
- **B.** With a ruler
- **C.** With a clock

6. What did we learn about matter and temperature?

7. Different substances change at different ___ when heated.

8. Physical changes are permanent and cannot be reversed.

◯ True ◯ False

9. Which of the following is an example of a physical change?

- **A.** Burning wood
- **B.** Melting ice
- **C.** Rusting metal

10. What are some examples of substances that change at different temperatures?

Answer Key

1. It melts into water 2. reversible 3. Our experiment shows that just like seasons change, matter also changes with temperature. Both involve transformation and have a purpose. 4. False 5. With a thermometer 6. We learned that temperature affects the state of matter, such as melting and boiling points. Different substances change at different temperatures. 7. temperatures 8. False 9. Melting ice 10. Some examples include ice melting at 0°C, water boiling at 100°C, and butter melting at around 30°C. Each one has its own specific melting or boiling point.