

Heat Moves: Conduction Investigation Review

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Understanding Heat Transfer

Name: _____

Date: _____

Answer the following questions based on what you learned about heat conduction.

1. Which spoon got warm fastest during the investigation?

- A. Metal spoon
- B. Wooden spoon
- C. Plastic spoon

2. Heat always moves from ____ areas to ____ areas.

3. What is conduction?

4. Which material is likely to block heat the most?

- A. Metal
- B. Wood
- C. Plastic

5. Match the material with its heat conduction ability.

Metal

Wood

Plastic

Good conductor

Poor conductor

Insulator

6. Why might some materials feel colder or warmer?

7. When we touch spoons in hot water, we can feel the heat ____ through the spoon.

8. What did the lesson teach us about heat transfer?

- A. Heat moves from cooler to warmer areas
- B. Heat moves from warmer to cooler areas
- C. Heat does not move at all

9. What is one way we can investigate heat transfer?

10. Just as iron sharpens iron, knowledge transfers through ____ and ____ with others.

Answer Key

1. Metal spoon 2. warmer, cooler 3. Conduction is the transfer of heat through direct contact between materials. 4. Wood 5. Good conductor, Poor conductor, Insulator 6. Some materials conduct heat away from our skin faster, making them feel colder or warmer. 7. conducting 8. Heat moves from warmer to cooler areas 9. We can touch different materials to see how quickly they get warm. 10. interaction, learning

