

Metal vs. Wood vs. Plastic Review

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Understanding Conductors and Insulators

Name: _____

Date: _____

Answer the following questions based on the lesson about how different materials conduct or insulate heat.

1. Metal is a good ___ because it lets heat move quickly.

2. Which material is an insulator that blocks heat movement?

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

3. What did we test in the Heat Transfer Challenge?

4. Plastic is a conductor of heat.

- True False

5. Which spoon do you think would get hot the fastest?

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

6. God gives us wisdom to understand how ___ work.

7. Why might different materials feel different when they touch something hot?

8. Heat transfer occurs when energy moves from cooler to warmer objects.

- True False

9. What did we learn about materials in the lesson?

- A. They all conduct heat the same
- B. Some let heat move quickly, some block it
- C. Only wood can block heat

10. What is one property of metal that makes it a good conductor?

Answer Key

1. conductor 2. Wood 3. We tested how quickly different spoons heat up in hot water. 4. False 5. Metal spoon 6. materials 7. Because they conduct or insulate heat differently. 8. False 9. Some let heat move quickly, some block it 10. Metal conducts heat well because it allows heat to move quickly.