

Insulation Challenge Review

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Understanding Conductors and Insulators

Name: _____

Date: _____

Answer the questions below based on what you learned in the Insulation Challenge lesson.

1. Insulation helps keep things ____ or cold.
2. What is the main purpose of insulation?
 - A. To keep things cold
 - B. To keep heat from moving
 - C. To make things heavy
3. Name one material that you think might keep ice cold.

4. Insulators help heat move quickly from one place to another.
 True False
5. Just as God protects us, insulation protects our ice from ____ too quickly.
6. What did Proverbs 3:13-14 teach us about wisdom?
 - A. It is more valuable than silver
 - B. It is not important
 - C. It is only for the rich
7. What surprised you about your experiment with insulation?

8. Different materials have the same insulating properties.
 True False
9. What can we design to protect things from temperature changes?
 - A. Containers
 - B. Cars
 - C. Books
10. Why is it important to understand how insulation works?

Answer Key

1. warm 2. To keep heat from moving 3. Foam 4. False 5. melting 6. It is more valuable than silver 7. The ice melted slower than I thought. 8. False 9. Containers 10. It helps us keep things at the right temperature.