

Heat Energy Transfer Review

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Understanding How Heat Moves

Name: _____

Date: _____

Answer the following questions based on what you've learned about heat energy transfer.

1. What are the three methods of heat transfer?

- A. Conduction, Convection, Radiation
- B. Heating, Cooling, Transforming
- C. Light, Sound, Heat

2. Describe conduction in your own words.

3. Convection occurs only in solids.

- True False

4. ____ is the method of heat transfer that happens through electromagnetic waves.

5. Which method of heat transfer involves liquids and gases?

- A. Conduction
- B. Convection
- C. Radiation

6. How does God's design show wisdom in heat transfer?

7. Radiation requires direct contact to transfer heat.

- True False

8. An example of conduction is when you touch a ____ stove.

9. What was the most surprising method of heat transfer you learned about?

10. Which scripture connects God's wisdom to the earth's foundation?

- A. Proverbs 3:19
- B. Genesis 1:1
- C. Psalm 104:5

Answer Key

1. Conduction, Convection, Radiation 2. Conduction is when heat is transferred through direct contact between objects. 3. False 4. Radiation 5. Convection 6. God's design shows wisdom because heat moves in predictable ways, showing order in creation. 7. False 8. hot 9. I was surprised by how convection works in liquids and gases as heat moves up and down. 10. Proverbs 3:19