

Waves: Properties and Behavior

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Understanding the Nature of Waves

Name: _____

Date: _____

Answer the following questions based on what you learned about waves.

1. What is a wave?

2. What can waves travel through?

- A. Only liquids
- B. Solids, liquids, and gases
- C. Only gases

3. Waves transfer matter from one place to another.

- True False

4. Waves move energy, not ____.

5. How do waves transfer energy?

6. What happens when you throw a stone in a pond?

- A. It sinks immediately
- B. It creates ripples which are waves
- C. It creates a splash but no waves

7. God's design includes the energy transfer seen in waves.

- True False

8. The scripture Psalm 93:4 tells us that Yahweh is mightier than the waves of the ____.

9. Can you name a type of wave you have seen in nature? Describe it.

10. Different materials create the same type of waves.

- True False

Answer Key

1. A wave is an energy transfer through matter or space. 2. Solids, liquids, and gases 3. False 4. matter 5. Waves transfer energy by creating movement that travels through different materials. 6. It creates ripples which are waves 7. True 8. sea 9. I have seen ocean waves that crash on the shore. They move up and down as they come in. 10. False