

## Directed Reading A

### Section: The Nature of Waves

1. What is a wave?

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#### WAVE ENERGY

2. A substance through which a wave can travel is a(n)

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3. Explain how energy is transmitted through a medium.

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4. Explain why a wave moves toward the shore but the leaf floating on the surface of the water does not.

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5. Explain the term *vibration*.

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6. Waves that require a medium are called \_\_\_\_\_.

7. Name two types of waves that require a medium.

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