Activity

**WORD BANK**

wave amplitude medium perpendicular surface

wave speed frequency interference

standing transverse

wavelength reflection refraction diffraction crest

longitudinal resonance trough

Vocabulary Activity

Let’s Do the Wave!

Figure out the words described by the clues below, and write the words in the appropriate space.

Then find and circle the words in the puzzle on the next page.

1. a substance through which a wave can travel

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2. the bending of a wave as it passes at an angle from one medium to another

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3. a disturbance that transmits energy through matter and space

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4. when one vibrating object causes similar vibrations in another object that is nearby

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5. the lowest part of a transverse wave

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6. the number of waves produced in a given amount of time

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7. when two or more waves overlap

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8. describes lines that meet at right angles, as in a transverse wave

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9. a wave that occurs at the boundary between two media when transverse and longitudinal waves combine

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10. an echo, for example (wave interaction)

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11. wave in which particles in the medium vibrate back and forth along the path the wave travels

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12. wave in which particles in the medium vibrate in an up-and-down motion

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13. the distance between two adjacent compressions

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14. the maximum distance a wave vibrates from its rest position

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15. kind of wave that looks like it is stationary (not moving)

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16. the highest point of a transverse wave

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17. the speed at which a wave travels through water or other medium

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18. the bending of waves around a barrier or through an opening

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Vocabulary Activity continued

In the puzzle below, find the words from the blanks on the previous page. Words may appear horizontally, vertically, or diagonally.

