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Waves Vocabulary Crossword Puzzle

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| **Across****3.** occurs when a wave bounces back after striking something**7.** occurs when a wave passes from one medium into another and changes direction**10.** a repeated back and forth movement of matter; often necessary to produce waves**11.** a substance or matter through which a wave travels**13.** a traveling disturbance that carries energy through matter and space**14.** the ability for two waves to combine and make a new wave when they overlap**15.** is the bending of waves around a barrier or object**16.** a type of wave in which particles of the medium vibrate back and forth | **Down****1.** the distance between any two adjacent (side by side) wave crests or and two adjacent wave**2.** wave interface that forms a larger wave when two wave amplitudes overlap**4.** wave interference that can form a smaller wave or cancel each other out when two wave amplitudes meet**5.** waves that move through empty space (Vacuum) or use matter to transfer energy**6.** waves that use matter to move or transfer energy**8.** a type of wave in which particles move across or perpendicular to the direction the wave is traveling**9.** the distance between a wave's resting point and its trough or crest**12.** the number of complete waves that pass a point in a certain time period |