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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_ | Period: \_\_\_\_\_\_\_ |

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 |