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WAVES VOCAB

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