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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 |