The Energy Of Waves

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| **Across**  **2.** is the distance between any two crest or compressions next to each other in a wave  **3.** is a substance through which a wave can travel  **7.** the bending of a wave as the wave passes between two substances in which the speed of the wave differs  **11.** a bouncing back of a ray of light,sound,or heat when the ray hits a surface that it does not go through  **12.** the number of waves produced in a given amount of time  **13.** the maximum distance that the particles of a wave's medium vibrate from their rest positon  **14.** the combination of two or more waves that result in a single wave | **Down**  **1.** a wave in which the particles of the medium move perpendicularly to the direction of the wave is traveling  **4.** a pattern of vibration that simulates a wave that is standing still  **5.** a wave in which the particles of the medium vibrates parallel to the direction of the wave motion  **6.** a change in the direction of a wave which the wave finds an obstacle or an edge, such as a opening  **8.** a phenomenon that occurs when two objects naturally vibrate at the same frequency; the sound produced by one object cause the other object to vibrate  **9.** is any disturbance that transmit energy through matter or empty space  **10.** the speed at which a wave travels through a medium |