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  |