The Energy Of Waves

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 position
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 vibrate 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 an 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