Unit 4: Waves

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| **Across**  **2.** a wave moving in a perpendicular manner  **7.** reduction of wave's density  **10.** vibration moving back and forth  **13.** energy that lets waves or vibrations travel  **14.** a wave moving in a parallel manner  **15.** particle representing electromagnetic radiation | **Down**  **1.** consists of transverse, longitudinal and surface waves  **3.** when a electric field couples with a magnetic field  **4.** not transparent or transluscent  **5.** in longitudinal wave where particles are closer together  **6.** changed direction in light due to passing through different mediums  **8.** transparent, letting light pass through  **9.** distance between two crests of a wave  **11.** unit of frequency  **12.** amount of energy of a wave measured from the resting line |