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Wave Behavior Crossword Puzzle

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| **Across**  **2.** When light moves from air to water, it \_\_\_\_\_\_\_\_\_\_\_ down.  **6.** Sound waves can't travel through a vacuum because of a lack of \_\_\_\_\_\_ molecules.  **8.** The more \_\_\_\_\_\_\_\_ an object is, the less light it will absorb.  **9.** What type of reflection happens when rays of light hit an uneven surface?  **10.** The bigger the wave length is in a wave, the smaller the \_\_\_\_\_\_\_\_\_ is. | **Down**  **1.** \_\_\_\_\_\_\_\_ happens when waves spread around an obstacle.  **3.** What type of reflection happens when light hits a smooth surface?  **4.** What is it called when light hits an object and bounces off it in all directions?  **5.** Light \_\_\_\_\_\_\_\_\_\_ when it bends as it passes through a medium.  **7.** \_\_\_\_\_\_\_\_\_ happens when photons from light hit atoms which then causes them to vibrate. |