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Waves Chapter 22-7th Grade Science

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| **Across**  **1.** What wave has particles that move perpendicular to the wave's motion?  **2.** The section on a LONGITUDINAL WAVE that is close together  **4.** When a wave bounces back from a surface, this is called a \_\_\_\_\_\_\_\_\_\_\_\_  **8.** What can be calculated using the following expression: wave length x frequency?  **9.** The section between a transverse wave's resting point and a crest or trough  **10.** What determines the amount of energy needed for a wave to transfer its own energy to another?  **11.** The \_\_\_\_\_\_\_\_\_\_ is the highest point of a transverse wave  **12.** What can be caused if a wave finds an obstacle or an opening?  **13.** The section on a LONGITUDINAL WAVE that are moving apart  **14.** What kind of wave is a water wave an example of?  **15.** This can happen when light hits water or a reflective surface | **Down**  **3.** The amount of space between matching parts of a transverse wave  **5.** The \_\_\_\_\_\_\_\_\_ is the lowest point of a transverse wave  **6.** All waves transfer \_\_\_\_\_\_\_\_\_  **7.** An electromagnetic wave does not need a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to move through |