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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_ | Period: \_\_\_\_\_\_\_ |

PROPERTIES OF WAVES VOCABULARY

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  | L |  |  |  |  |  |  |  |  |  | A |  |  |  |  |
|  |  |  |  |  | E |  |  |  |  |  | 3  T |  |  |  | V |  |  |  |  |
|  |  |  |  |  | C |  | 4  A |  |  | 5  F | R | E | Q | U | E | N | C | Y |  |
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|  |  |  |  |  | E |  |  | 9  W | A | V | E |  |  |  | 10  C | R | E | S | T |
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|  | 11  L | O | N | G | I | T | U | D | I | N | A | L | W | A | V | E |  | I |  |
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|  |  |  |  |  | W |  |  | 12  R | A | R | E | F | A | C | T | I | O | N |  |
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| **Across**  **5.** the rate at which a vibration occurs that constitutes a wave, either in a material (as in sound waves)  **8.** a channel used to convey a liquid.  **9.** The distance between adjacent peaks (or adjacent troughs) on a wave .  **10.** each the top of (something such as a hill or wave).  **11.** a wave vibrating in the direction of propagation.  **12.** diminution in the density of something, especially air or a gas. MEDICINE  **13.** a wave that is an oscillation of matter, and therefore transfers energy through a medium | **Down**  **1.**  the frequency or wavelength of their oscillations which determines their position in the electromagnetic spectrum  **2.** the distance between successive crests of a wave, especially points in a sound wave or electromagnetic wave.  **3.** a wave vibrating at right angles to the direction of its propagation.  **4.**  a measure of its change over a single period  **6.** the intervening substance through which impressions are conveyed to the senses or a force acts on objects at a distance.  **7.** the reduction in volume (causing an increase in pressure) |