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

Waves

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| **Across****7.** a disturbance that transfers energy from place to place**8.** the points of zero on a standing wave**9.** the parts in longitudinal wave where the coils are spread out**11.** the number of complete waves that pass a given point in a certain amount of time **13.** a repeated back-and-forth or up-and-down motion**15.** the ability to do work**16.** the low part of a transverse wave **17.** the high part of a transverse wave**18.** frequency is measured in this unit**19.** the parts in a longitudinal wave where the coils are close together**20.** waves that move the medium at right angles in the direction in which the waves travel | **Down****1.** waves that move the medium parallel to the direction in which the waves travel**2.** waves that require a medium**3.** the distance between two corresponding parts of a wave**4.** the bending of waves due to a change in speed**5.** the interaction between waves that meet **6.** the material which a wave travels through**10.** the maximum distance of the particles of the medium carrying the wave move away from their rest positions**12.** when a wave moves around a barrier or through an opening in a barrier it bends and spreads out**14.** when an object or a wave hits a surface through which it cannot pass, it bounces back |