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

Waves

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|  |  |  |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  | 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7 |  |  |  |  |
|  |  |  |  |  |  |  | 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 9 |  |  |  |  |  |  | 10 |  |  |  | 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 13 |  |  |  |  |  |  |  |  |  |  |  |  | 14 |  |  |  | 15 |  |  |  |  |  |  |  |  |  |  |
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| **Across**  **3.** the distance between the adjacent crests or compressions in a series of waves  **4.** speed at whcih a wave travels  **6.** bending waves around a barrier or through an opening  **11.** wave that forms from a stationary pattern in which portions of the waveare at rest position  **13.** matter that transmits light but also scatters the light as it passes through matter  **17.** image through which light passes  **18.** any disturbance that transmits energy through matter or space  **19.** mirror that is curved inward  **20.** the point on the axis of a mirror lens throughwhich all incident light rays are focused | **Down**  **1.** number of waves produced in a given amount of time  **2.** the distance between a mirror lense through which all incident parallel rays are focused  **5.** image through which light does not actually pass  **7.** mirror with a flat surface  **8.** occurs when a wave bounces back after striking an object  **9.** lens that is thicker in the middle than the edges  **10.** result of more moves overlapping  **12.** curved transparent object that forms an image by refracting light  **14.** maximum distance the wave vibrates from the rest position  **15.** mirror that is curved outward  **16.** matter through which visible light is easily transmitted |