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

Waves Chapter 22-7th Grade Science

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 |  | 4 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |
|  | 6 |  |  |  |  |  | 7 |  |  |  |  |  |  |  |
|  |  |  |  | 8 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 9 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 10 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 11 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 12 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 13 |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 15 |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **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 |