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

Telescopes

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2  C | O | N | C | A | V | E |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | C |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3  R |  | M |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4  R |  |  |  | A |  | A |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 5  C | O | N | C | A | V | E |  | 6  O |  | D |  | G |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | F |  | B |  | I |  | N |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | 7  T | E | L | E | S | C | O | P | E | S |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  | 8  S | P | E | C | T | R | U | M |  | I |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  | 9  W | A | 10  V | E | L | E | N | G | T | H |  |  | A |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | I |  |  |  | G |  | O |  |  |  | D |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | S |  |  |  |  |  | R |  |  |  | I |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 11  O | P | T | I | C | A | L |  |  | Y |  |  |  | A |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | B |  |  |  |  |  |  |  |  |  | T |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | L |  |  |  |  |  |  |  |  |  | I |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 12  R | E | F | R | A | C | T | I | N | G |  | O |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | L |  |  |  |  |  |  |  |  |  | N |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | I |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  | H |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Across**  **2.** a lens that is thicker in the center than at the edges  **5.** a lens that is thicker at the edges and thinner in the middle  **7.** Instruments that collect and focus magnetic radiation from space  **8.** the range of wavelengths of electromagnetic waves  **9.** the distance between two corresponding parts of a wave  **11.** An telescope that uses lenses or mirrors to collect and focus visible light  **12.** A telescope that uses convex lenses to gather and focus light | **Down**  **1.** the energy transferred through space by electromagnetic waves  **3.** A telescope used to detect radio waves from objects in space  **4.** A telescope that uses a curved mirror to collect and focus light  **6.** A building that contains one or more telescopes  **10.** electromagnetic radiation that can be seen with the unaided eye |