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

MIRORS AND LENSES

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|  |  |  |  |  | 1  R |  |  |  |  |  |  |  |  |  |  | 2  S |  |  |  |
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|  |  |  |  |  | F |  |  |  |  |  |  |  |  | 3  F |  | E |  |  |  |
|  |  |  | 4  S |  | L |  | 5  I |  |  |  |  | 6  C |  | O |  | C |  | 7  I |  |
|  |  |  | P |  | E |  | N |  |  |  |  | U |  | C |  | U |  | N |  |
|  |  | 8  C | O | N | C | A | V | E |  | 9  V | I | R | T | U | A | L |  | F |  |
|  |  |  | O |  | T |  | E |  |  |  |  | V |  | S |  | A |  | I |  |
|  |  |  | N |  | I |  | R |  |  | 10  P |  | A |  |  |  | R |  | N |  |
|  |  |  |  |  | O |  | T |  | 11  V | E | R | T | E | X |  |  |  | I |  |
|  |  |  |  |  | N |  | E |  |  | R |  | U |  |  |  | 12  C |  | T |  |
|  |  |  |  |  |  |  | D |  | 13  M | I | C | R | O | S | C | O | P | E |  |
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|  |  |  |  |  |  |  | 15  T | H | R | E | E |  |  |  |  |  |  |  |  |
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| **Across**  **8.**  mirrors used by dentists  **9.** two types of images are real and \_\_\_\_\_\_\_\_\_\_\_  **11.** the center of the mirror  **13.** optical instrument uses 2 convex lenses to make a smaller object larger  **14.** The normai line, incident ray and the reflected ray lie on the same\_\_\_\_\_\_\_\_\_\_.  **15.** at 90 degrees \_\_\_\_\_\_\_images are formed | **Down**  **1.** bouncing of lights through a surface  **2.** a reflection of light through smooth surfaces  **3.** the point between the center of curvature and the vertex  **4.** a kind of curved mirror  **5.** negative values indicate that the image is\_\_\_\_\_\_\_\_\_\_\_\_\_  **6.** the center of the sphere in which the mirror is the part  **7.** parallel mirrors produce\_\_\_\_\_\_\_\_\_\_\_numbers of images  **10.** an instrument for observation over, around and through an obstacle  **12.** diverging mirrors |

   periscope       plane       specular       concave       curvature       focus       vertex       microscope       virtual       convex       infinite       spoon       three       reflection       inverted