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

MIRORS AND LENSES

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|  |  |  |  |  | 1R |  |  |  |  |  |  |  |  |  |  | 2S |  |  |  |
|  |  |  |  |  |  E |  |  |  |  |  |  |  |  |  |  |  P |  |  |  |
|  |  |  |  |  |  F |  |  |  |  |  |  |  |  | 3F |  |  E |  |  |  |
|  |  |  | 4S |  |  L |  | 5I |  |  |  |  | 6C |  |  O |  |  C |  | 7I |  |
|  |  |  |  P |  |  E |  |  N |  |  |  |  |  U |  |  C |  |  U |  |  N |  |
|  |  | 8C |  O |  N |  C |  A |  V |  E |  | 9V |  I |  R |  T |  U |  A |  L |  |  F |  |
|  |  |  |  O |  |  T |  |  E |  |  |  |  |  V |  |  S |  |  A |  |  I |  |
|  |  |  |  N |  |  I |  |  R |  |  | 10P |  |  A |  |  |  |  R |  |  N |  |
|  |  |  |  |  |  O |  |  T |  | 11V |  E |  R |  T |  E |  X |  |  |  |  I |  |
|  |  |  |  |  |  N |  |  E |  |  |  R |  |  U |  |  |  | 12C |  |  T |  |
|  |  |  |  |  |  |  |  D |  | 13M |  I |  C |  R |  O |  S |  C |  O |  P |  E |  |
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|  |  |  |  |  |  |  | 15T |  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