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

Behavior of light

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|  |  | 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 13 |  |  |  |  |  |  |  |  |  |  |  |
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| **Across****6.** Converging lens**8.** Straight Line perpendicular to a spherical mirror that divides it in half **10.** The scattering of light off a rough surface is \_\_\_\_\_\_\_\_\_reflection **12.** Light passes across the boundary between two media**13.**  Matter that transmits light but scatters the light as it passes through it**14.**  Matter that does not let any light pass through it **15.**  Light \_\_\_\_\_\_\_ speed and direction from one medium to another | **Down****1.** Reflective surface that has edges that curve away from the observer**2.** Diverging lens**3.**  Matter that transmits light without scattering it**4.** Light bounces back from a surface that it cannot pass through**5.**  Light transfers its energy to matter rather than being reflected or transmitted by matter**7.** Diverging light rays produce \_\_\_\_\_\_\_\_ image**9.** Light bumps into tiny particles of matter and spreads out in all directions**11.**  Incident light rays that are parallel to the principal axis converge after reflecting from the mirror  |

   Reflection       Refraction       Scattering        Absorption        Transparent        Translucent        Opaque        Changes        Diffuse        Focal point       Convex mirror       Virtual        Concave       Convex       Principal axis