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Science Crossword (Chapter 5)

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| **Across****4.** an object that curves outward**8.** a property of a material which light passes through. The more dense the slower the light passes through.**12.** Light rays that spread apart **15.** When light strikes a surface and bounces off**16.** Where light rays meet at a certain point**17.** imaginary line perpendicular to the surface being struck by light**19.** light passes through freely**21.** illusion formed by refraction of light through air**22.** allows only some light to pass through**23.** Occurs when light is blocked in specific areas**24.** light rays that are coming together at a focal point | **Down****1.** when light is trapped in an objects as heat**2.** curved piece of transparent material**3.** when a wave or ray changes speed and direction as it passes from one material to another**5.** Old model that light was fast moving tiny particles eventually absorbed by the eye**6.** incident angel must equal the reflected angle**7.** A model that represents light as a straight line or ray that indicates the light path as it travels including reflection off mirrors or refracting through lenses**9.** angle between the incident ray and the normal line**10.** Angle between the reflected ray and the normal line**11.** when light passes through a material**13.** A flat smooth mirror**14.** the ray that approaches a surface**18.** allowing no light to pass through**20.** an object that curves inward |