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Science Definitions

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| **Across****3.** A model that shows light as a straight line or ray that shows the path as it travels including reflection off mirrors or refracting through lenses**4.** Old model that light was fast moving tiny particles eventually absorbed by the eye**8.** The number or repetitive motions, or oscillations, that occur in a given time**9.** When light waves strike an object and bounce off**11.** The ray that bounces off a surface**15.** the ray that approaches a surface**16.** The capacity to apply a force over a distance**17.** angle between incident ray and the normal line**19.** A type of wave that travels trough empty space and transfers energy from one place to another**20.** lowest point in a wave**21.** the matter waves travel through**22.** Light passes through freely**23.** A height of a wave crest or the depth of a wave trough, as measured from its rest position**25.** Allows some light to pass through but not all **27.** The level of water that has no waves**28.** occurs when light is blocked in specific areas**29.** a property of a material which light passes through (The more dense the slower the light goes through)**30.** incident angle must equal the reflected angle | **Down****1.** imaginary line perpendicular to the surface being struck by light**2.** Allows no light to pass through**5.** A wave you can see**6.** Push or pull on an object**7.** Pictures light travelling as a wave**10.** The bending/changing direction of a wave as it passes from one material to another**12.** angle between the reflected ray and the normal line**13.** Range of colors of frequencies of visible light**14.** the method frequency is measured in**18.** Has the highest energy and frequency and the shortest wavelength portion of the electromagnetic spectrum**24.** Illusion formed by refraction of light through air **26.** An object (eg. mirror) that curves inward |