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Light and sound

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| **Across****2.** What is the speed at which a sound wave travels?**6.** It allows some light to pass through; blurry image can be seen.**7.** What is the area of a sound wave where the air is pused together?**9.** What is the measure of the amount of sound energy reaching your ears?**12.** It is the measure of how high or low the sound is. **14.** It is a sound reflection.**15.** What is a large, quick air pressure increase followed by a large quick decrease. An object moving faster than the speed of sound dose this. We hear a large "BOOM" when this happens.**16.** It is the bending of the path of light when it moves from one kind of matter to another**19.** It is the distance in a straight line from one place on a ripple to the same place on the next ripple. **20.** What is the range of light that people can see is?**22.** What allows most light to pass throgh; clear image can be seen**23.** Itis the part of a sound wave where that molecules are close together. | **Down****1.** What is the greatest distance from the top of a sound wave to the bottom of the wave. The more energy a wave carries, the greater its amplitude.**3.** The stoping of light when it hits the wall is?**4.** What is the part of a sound wave where the molecules are spread apart?**5.** It is the change in frequency and pitch as a source of sound waves moves toward or away from you.**8.** What is the boucing of light?**10.** It is a soild object that bends light; not a lens **11.** What is reflecting or absorbing all light; no image can be seen**13.** It is quickly moving in the areas of high and low pressures.**17.** What is the number of times an object viberates per second?**18.** It is a unit for measuring loudness.**21.** A vibration you can hear is?  |