Name:



Period:

		12	
 Optics Image Object Concave Convex Convergent Divergent The angle of inci The angle of reflict The normal is: 	 A. The study of how light behaves. B. A lens or mirror that is bigger in the middle. C. Light rays that spread apart. D. Where your eyes think something is. E. Light rays that come together. F. What you are actually looking at. G. A lens or mirror that is bigger at the ends. 	 Normal Mirror Angle of incidence Angle of reflection Lens Focus Which letter shows incoming light ray ways 	 A. A line drawn perpendicular to the surface of a mirror or lens. B. An optical device that works by refraction to bend light. C. From the normal to the incoming ray. D. From the normal to the outgoing ray. E. Where all parallel rays come together. F. An optical device that works by reflection.
You stand 2 feet in front of a mirror. How far away does your image seem?		Which arrow shows the path taken Focal by the lens? point a b c	
A convex lens is convergent/divergent and magnifies/reduces. A concave lens is convergent/divergent and magnifies/reduces. A convex mirror is convergent/divergent and magnifies/reduces. A concave mirror is convergent/divergent and magnifies/reduces. What quantities are these units for? Mathematical magnifies What quantities are these units for? Mathematical magnifies Volts Magnifies Volts Kg Km Meters Joules Sec Watts Ω N Amps Hz		 The angle <i>between</i> the incident ray and reflected ray is 60°. What is the angle of reflection? The angle of reflection is 40°. What is the angle of incidence? If a wave's fourth harmonic has a frequency of 24 Hz, what is its natural frequency and what is the frequency of H₆? 	
 If a sound is 60 dB loud. Answer how many dB these would be: 1) A sound twice as loud: 2) A sound half as loud: A sound wave has a wavelength of 20 m. Find its frequency. If a sound wave's frequency is 100 Hz. What is its period? You yell into a canyon and it takes 3 seconds for the echo to come back to you. How far away is the other side of the canyon? 		Find its period: What harmonic is this? Could a human hear this frequency? Mark the nodes and anti-nodes. How many wavelengths is it? Find the fundamental frequency: 5th harmonic frequency: 100 Hz	
		Can we hear this freq	Juency?

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