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Conceptual Physics Ch 31 BW's Diffraction and Interference Ch 31 ESSAYS Ch 31 BW #1 1. What is a "hologram" and why is it more closely related to a "diffraction grating" than a 3-D photograph, prism, or compound lens? 2. What are two types of interference, and under what

Conceptual Physics Ch 31 BW's Diffraction and Interference ...
Conceptual Physics Chapter 31:Diffraction and Interference. Vocabulary for Chapter 31. STUDY. PLAY. Terms in this set (...) Huygens' Principle. Every point on any wave front can be regarded as a new point source of secondary waves. Diffraction. The bending of a wave around a barrier, such as an obstacle or the edges of an opening.

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CHAPTER 31 DIFFRACTION AND INTERFERENCE 625 31.2 Diffraction Any bending of a wave by means other than reflection or refraction is called diffraction. Figure 31.6 shows the diffraction of straight water waves through various openings. When the opening is wide compared with the wavelength, the spreading effect is small. As the opening becomes ...

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Essential University Physics, 3e (Wolfson) Chapter 32 Interference and Diffraction. 32.1 Conceptual Questions. 1) In a double-slit experiment, if the slit separation is increased, which of the following happens to the interference pattern shown on the screen? A) The minima get closer together. B) The maxima stay at the same position.

Interference and Diffraction Questions - PHYS1001 - UWA ...
Diffraction of sound waves and of light waves will be discussed in a later unit of The Physics Classroom Tutorial. Reflection, refraction and diffraction are all boundary behaviors of waves associated with the bending of the path of a wave. The bending of the path is an observable behavior when the medium is a two- or three-dimensional medium.

Physics Tutorial: Reflection, Refraction, and Diffraction
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3. Figure 31.15 from your text is repeated below. Carefully count the number of wavelengths (same as the number of wave crests) along the following paths between the slits and the screen. a. Number of wavelengths between slit A and point a = b. Number of wavelengths between slit B and point a = c. Number of wavelengths between slit A and point ...

Concept-Development 31-1 Practice Page
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29.2 Diffraction | Conceptual Academy
Diffraction - Huygen’s Principle Huygen’s Principle 1 Each point on a wave front is the source of a spherical wavelet that spreads out at the wave speed. 2 At a later time, the shape of the wavefront is the tangent line to all of the wavelets. Neil Alberding (SFU Physics) Physics 121: Optics, Electricity & Magnetism Spring 2010 2 / 1