

Light Refraction

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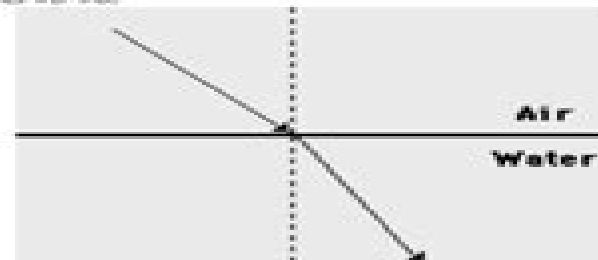
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MOP Connection: Refraction and Lenses: sublevels 1 and 2

1. Write a one-word synonym for **refraction**. _____
2. Refraction occurs when light crosses the boundary between one material and another material. What is the primary cause for this refracting of light upon crossing a boundary?

The diagram below shows the path of a light ray as it travels through air, across the air-water boundary, and through the water. Use the diagram to answer questions #3-#6.

3. On the diagram, label ____
 - the air-water boundary with a **B**
 - the normal line with an **N**
 - the incident ray with an **I**
 - the refracted ray with an **R**
 - the angle of incidence with a θ_i
 - the angle of refraction with a θ_r
4. How many media are there in this diagram? ____
Name them.
5. What is meant by the term "medium" in this context?

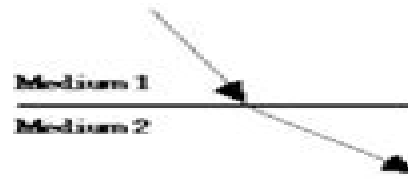


6. Place a noticeable dot at the location where refraction of light takes place.
7. For the three situations below, draw a normal line and measure and record the angles of incidence and the angles of refraction.



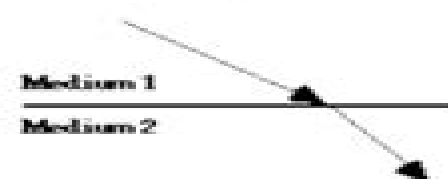
$\theta_i =$ _____

$\theta_r =$ _____



$\theta_i =$ _____

$\theta_r =$ _____



$\theta_i =$ _____

$\theta_r =$ _____

8. As light passes from one medium into another, it refracts. There is only one condition in which light will cross a boundary but not refract. State this condition.

Light Reflection Answer Key Physics Classroom

**Paul G. Hewitt, John Suchocki, Leslie A.
Hewitt**



Light Reflection Answer Key Physics Classroom:

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Physics Holt Rinehart & Winston,Holt, Rinehart and Winston Staff,2006 *Psychology for the Classroom* Robert D. Strom,1969 *Resources in education* ,1987-08

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involvement and assistance to the Chinese and suggested reasons for the ... Publication of China White Paper Work was under way in April 1949 (026 China/4-2749). A memorandum of May 21 ... Canton, August 10, 1949—2 p. m. [Received August 13—6:12 a. m.]. 893.00/8 ... The China White Paper: August 1949 - U. S. Department of ... U. S. Department of State Introduction by Lyman P. Van Slyke. BUY THIS BOOK. 1967 1124 pages. \$65.00. Paperback ISBN: 9780804706087. Google Book Preview. The China White Paper: August 1949 Book details · Print length. 1086 pages · Language. English · Publisher. Stanford University Press · Publication date. December 1, 1967 · ISBN-10. 0804706077. Full text of "The China White Paper 1949" Full text of "The China White Paper 1949". See other formats. SP 63 / Two volumes, \$7.50 a set CHINA WHITE PAPER August 1949 VOLUME I Originally Issued as ... The China White Paper: August 1949 A Stanford University Press classic.