

Chapter 26 Properties of Light
Speed, Wavelength, and Frequency — continued

- e. Light in which range of frequencies is absorbed in glass? [visible] [ultraviolet].
 - f. Light in which range of frequencies is transmitted through glass? [visible] [ultraviolet].
 - g. How is the speed of light in glass affected by the succession of time delays that accompany the absorption and re-emission of light from atom to atom in the glass?
-
- h. How does the speed of light compare in water, glass, and diamond?
-

4. The Sun normally shines on both Earth and Moon. Both cast shadows. Sometimes the Moon's shadow falls on Earth, and at other times Earth's shadow falls on the Moon.

- a. The sketch shows the Sun and Earth. Draw the Moon at a position for a solar eclipse.



- b. This sketch also shows the Sun and Earth. Draw the Moon at a position for a lunar eclipse.



5. The diagram shows the limits of light rays when a large lamp makes a shadow of a small object on a screen. Make a sketch of the shadow on the screen, shading the umbra darker than the penumbra. In what part of the shadow could an ant on the screen see part of the lamp?



Conceptual Physics Chapter Assessment Answers

Richard Wolfson



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Design Recommendations for Intelligent Tutoring System - Volume 5: Assessment Methods Dr. Robert Sottolare, Dr. Arthur Graesser, Dr. Xiangen Hu, Dr. Gregory Goodwin, 2017-08-28 This book is the fifth in a planned series of books that examine key topics e.g. learner modeling instructional strategies authoring domain modeling assessment impact on learning team tutoring machine learning and potential standards in intelligent tutoring system ITS design through the lens of the Generalized Intelligent Framework for Tutoring GIFT Sottolare Brawner Goldberg Sottolare Brawner Sinatra Johnston 2017 GIFT is a modular service oriented architecture created to reduce the cost and skill required to author ITSs manage instruction within ITSs and evaluate the effect of ITS technologies on learning performance retention transfer of skills and other instructional outcomes Along with this volume the first four books in this series Learner Modeling ISBN 978 0 9893923 0 3 Instructional Management ISBN 978 0 9893923 2 7 Authoring Tools ISBN 978 0 9893923 6 5 and Domain Modeling 978 0 9893923 9 6 are freely available at www.GIFTtutoring.org and on Google Play

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Conceptual Physics, 1985 Rev ed of Conceptual physics a new introduction to your environment 4th ed 1981

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