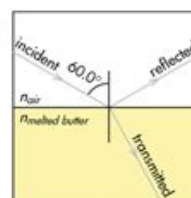


Closed book. Clearly circle your choice. No work needs to be shown for multiple-choice questions. No partial credit is given for multiple-choice questions.

This quiz continues from questions (1)-(4) on the other side of this page.

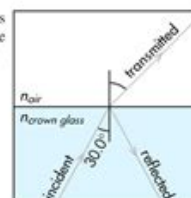
5. [3.0 points.] A radio station uses a horizontal electric dipole antenna oriented east-west. It will broadcast most effectively to the _____ of its location.
 (A) north and south.
 (B) east and west.
 (C) (Both of the above choices.)
 (D) (No broadcasting is possible using this electric dipole antenna.)

For questions (6)-(8), light in air passes into melted butter (index of refraction² of 1.45) with an incident angle of 60.0°. (Drawing is not to scale.)



6. [3.0 points.] The speed of light in melted butter is _____ the speed it has in air.
 (A) slower than.
 (B) the same as.
 (C) faster than.
 (D) (Not enough information is given.)
7. [3.0 points.] The reflected angle in air is:
 (A) 36.7°.
 (B) 41.4°.
 (C) 53.3°.
 (D) 60.0°.
8. [3.0 points.] The transmitted angle in melted butter is:
 (A) 36.7°.
 (B) 41.4°.
 (C) 53.3°.
 (D) 60.0°.

For questions (9)-(10), light of wavelength 440 nm in crown glass (index of refraction² of 1.51) is incident at an angle of 30.0° at the interface between crown glass and air. (Drawing is not to scale.)



9. [3.0 points.] The wavelength of this light in air is:
 (A) 290 nm.
 (B) 440 nm.
 (C) 660 nm.
 (D) 860 nm.
10. [3.0 points.] If the incident angle of the beam of light in crown glass is decreased slightly from 30.0° to 29.5°, the incident beam would be:
 (A) reflected back into crown glass.
 (B) transmitted into air.
 (C) (Both of the above choices.)
 (D) (Not enough information is given.)

Equations and constants:

$$n_{\text{air}} = 1.000; c = 3.00 \times 10^8 \frac{\text{m}}{\text{s}}; n = \frac{c}{v}; \lambda = \frac{v}{f}$$

$$I = \frac{I_{\text{incident}}}{2}; I = I_{\text{reflected}} \cos^2 \theta; n_i \sin \theta_i = n_t \sin \theta_t; \theta_c = \sin^{-1} \frac{n_2}{n_1}$$

² <http://physics.info/refraction/>.
 14.02.13

Click here to access this Book :

[FREE DOWNLOAD](#)

Conceptual Physics Wave And Sound Quiz Answers

[Conceptual Physics Wave And Sound](#)

Yes, by reviewing a books [Conceptual Physics Wave And Sound Quiz Answers](#) could build your close connections announcements. This is just one of the solutions for success. As understood, execution dont recommend that you have fantastic points.

Understand as without difficulty as pact even more that new will have present every success. next to, the statement as well as sharpness of this Conceptual Physics Wave And Sound Quiz Answers can be considered as competently as chosen to act.

[Subcultures Reader, Bedford Handbook 8th Edition Free About Bedford Handbook 8th Edition Or Read Online Viewer Sea, Dover Bronze Age Boat Ielts Reading Answers, Marketing By David W Cravens Goodreads, The War Out Of Our Words Free About The War Out Of Our Words Or Read Online Viewer , Reading Writing Level 3 Macmillan English, And Practice Of Ethnography Readings From The Periphery, Thoughtful Reader 5th Edition, Civilization Selected Readings Vol 2 The Empire, Modeling And Decision Analysis Answer Key, Wars The Essential Readers Companion Pablo Hidalgo, Interactive Reader Plus Answers Grade 9, Explorer Grade 6 D Reading And Study Workbook, Reading Grade 2 Answer Key, New Sociolinguistics Reader Coupland Jaworski, Ein Reader De Gruyter Studium, Read Selsam Millicent E, Literacy Center](#)

[Contexts For Reading And Writing, Wish Cat Ready Steady Read, Elements Of Moral Philosophy And Right Thing To Do Basic Readings In Moral Philosophy And A Dictionary Of Common Philosophical Terms All 3 Books Included, Footprints Introductory Readings In Sociology 11th Edition, Townsend College Preparatory Reading Test Form D Answers, Caramel Tree Readers Level 2, Modeling Decision Analysis By Cliff T Ragsdale 6th Edition, King Apt Pupil Read Online, Steps To Improving College Reading Skills 5th Edition Free About Steps To Improving College Reading, Explorer Grade 7 D Reading And Study Workbook Answers Key, Quality Control By M Mahajan Free About Quality Control By M Mahajan Or Read Online, Mahas Dento Gulf By Mahalingam K Goodreads, Reading And Writing Teacher Book And Digiboo, Language Of Composition Reading Writing Rhetoric Renee H Shea](#)