

Waves, Sound, and Light Study Guide

8 pages including Answer KEY

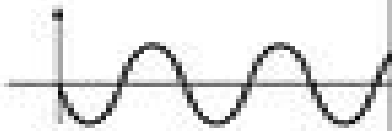
Physical Science

Physics

WAVES, SOUND, AND LIGHT STUDY GUIDE

Directions: Complete the following questions and answer the questions they ask.

1. What is a wave?
A disturbance that carries energy from one place to another.



2. What is a longitudinal wave?
A wave in which the particles of the medium move parallel to the direction of the wave.

1. _____ affects the loudness of a sound.
2. What is the unit for measuring the loudness of a sound? _____
3. In which medium does sound travel the fastest? _____
4. In which medium does light travel the fastest? _____
5. In which medium does light travel the slowest? _____
6. When light is reflected off of a smooth surface, it is called _____ reflection.
7. When light is reflected off of a rough surface, it is called _____ reflection.
8. The angle of reflection is equal to the angle of incidence. _____
9. What is the glowing surface of a candle's flame? _____
10. What is the distance from the nose to the tip of a candle? _____
11. What is the time it takes for light to travel from the nose to the tip of a candle? _____
12. How does the speed of light change? _____
13. How does the speed of light change? _____
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McGraw-Hill Staff



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Glencoe Physical Science ,1999 Merrill Earth Science Ralph M. Feather,Susan Leach Snyder,Dale T. Hesser,1995

Resources for Teaching Middle School Science Smithsonian Institution,National Academy of Engineering,National Science Resources Center of the National Academy of Sciences,Institute of Medicine,1998-04-30 With age appropriate inquiry centered curriculum materials and sound teaching practices middle school science can capture the interest and energy of adolescent students and expand their understanding of the world around them Resources for Teaching Middle School Science developed by the National Science Resources Center NSRC is a valuable tool for identifying and selecting effective science curriculum materials that will engage students in grades 6 through 8 The volume describes more than 400 curriculum titles that are aligned with the National Science Education Standards This completely new guide follows on the success of Resources for Teaching Elementary School Science the first in the NSRC series of annotated guides to hands on inquiry centered curriculum materials and other resources for science teachers The curriculum materials in the new guide are grouped in five chapters by scientific area Physical Science Life Science Environmental Science Earth and Space Science and Multidisciplinary and Applied Science They are also grouped by type core materials supplementary units and science activity books Each annotation of curriculum material includes a recommended grade level a description of the activities involved and of what students can be expected to learn a list of accompanying materials a reading level and ordering information The curriculum materials included in this book were selected by panels of teachers and scientists using evaluation criteria developed for the guide The criteria reflect and incorporate goals and principles of the National Science Education Standards The annotations designate the specific content standards on which these curriculum pieces focus In addition to the curriculum chapters the guide contains six chapters of diverse resources that are directly relevant to middle school science Among these is a chapter on educational software and multimedia programs chapters on books about science and teaching directories and guides to science trade books and periodicals for teachers and students Another section features institutional resources One chapter lists about 600 science centers museums and zoos where teachers can take middle school students for interactive science experiences Another chapter describes nearly 140 professional associations and U S government agencies that offer resources and assistance Authoritative extensive and thoroughly indexed and the only guide of its kind Resources for Teaching Middle School Science will be the most used book on the shelf for science teachers school administrators teacher trainers science curriculum specialists advocates of hands on science teaching and concerned parents **Waves, Sound, and Light** Glencoe/McGraw-Hill,2001-06 **Glencoe Earth Science** Ralph M. Feather,1999 Earth science is the study of Earth and space It is the study of such things as the transfer of energy in Earth s atmosphere the evolution of landforms patterns of change that cause weather the scale and structure of stars and the interactions that occur among the water atmosphere and land Earth science in this book is divided into four specific areas of

study geology meteorology astronomy and oceanography p 8 9 El-Hi Textbooks and Serials in Print ,2006 **Astronomy**
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 Congress,1979 **Technical Book Review** ,1963 **Paperbound Books in Print** ,1982 **Leo Strauss and His**
Catholic Readers Geoffrey M. Vaughan,2018-05-11 This book looks at the work and influence of Leo Strauss in a variety of
 ways that will be of interest to readers of political philosophy It will be of particular interest to Catholics and scholars of
 other religious traditions Strauss had a great deal of interaction with his contemporary Catholic scholars and many of his
 students or their students teach or have taught at Catholic colleges and universities in America Leo Strauss and His Catholic
 Readers brings together work by scholars from two continents some of whom knew Strauss one of whom was his student at
 the University of Chicago The first section of essays considers Catholic responses to Strauss s project of recovering Classical
 natural right as against modern individual rights Some of the authors suggest that his approach can be a fruitful corrective to
 an uncritical reception of modern ideas Nevertheless most point out that the Catholic cannot accept all of Strauss s project
 The second section deals with areas of overlap between Strauss and Catholics Some of the chapters explore encounters with
 his contemporary scholars while others turn to more current concerns The final section approaches the theological political
 question itself a question central to both Strauss s work and that of the Catholic intellectual tradition This section of the book
 considers the relationship of Strauss s work to Christianity and Christian commitments at a broader level Because
 Christianity does not have an explicit political doctrine Christians have found themselves as rulers subjects and citizens in a
 variety of political regimes Leo Strauss s return to Platonic political philosophy can provide a useful lens through which his
 Catholic readers can assess what it means for there to be a best regime Books in Print Supplement ,2002 Saturday
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