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Integrated Science  
Springer Science &  
Business Media  
Principles of  
Optics:  
Electromagnetic  
Theory of  
Propagation,  
Interference and  
Diffraction of  
Light, Sixth Edition  
covers optical  
phenomenon that can  
be treated with  
Maxwell's  
phenomenological  
theory. The book is  
comprised of 14  
chapters that  
discuss various  
topics about optics,  
such as geometrical  
theories, image  
forming instruments,  
and optics of metals  
and crystals. The  
text covers the  
elements of the  
theories of  
interference,

interferometers, and  
diffraction. The book  
tackles several  
behaviors of light,  
including its  
diffraction when  
exposed to ultrasonic  
waves. The selection  
will be most useful  
to researchers whose  
work involves  
understanding the  
behavior of light.  
*Astronomy Today* Astronomy  
TodayWith Astronomy Today,  
Seventh Edition, trusted  
authors Eric Chaisson and  
Steve McMillan communicate  
their excitement about  
astronomy and awaken  
students to the universe  
around them. The text  
emphasizes critical thinking  
and visualization, and it  
focuses on the process of  
scientific discovery, making  
"how we know what we  
know" an integral part of the  
text. The revised edition has  
been thoroughly updated with

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the latest astronomical discoveries and theories, and it has been streamlined to keep students focused on the essentials and to develop an understanding of the "big picture." Alternate Versions Astronomy Today, Volume 1: The Solar System, Seventh Edition-Focuses primarily on planetary coverage for a 1-term course. Includes Chapters 1-16, 28. Astronomy Today, Volume 2: Stars and Galaxies, Seventh Edition-Focuses primarily on stars and stellar evolution for a 1-term course. Includes Chapters 1-5 and 16-28. Astronomy Today At seventh grade, your child will become very busy with school lessons and extra-curricular activities. You can help your child breeze through his lessons on cell biology by giving him a copy of this educational resource. This book combines texts and pictures to make learning as pleasant and effective as

possible. Go ahead and grab a copy today.

**Astronomy Benjamin-Cummings Publishing Company**

With *Astronomy Today, Seventh Edition*, trusted authors Eric Chaisson and Steve McMillan communicate their excitement about astronomy and awaken you to the universe around you. The text emphasizes critical thinking and visualization, and it focuses on the process of scientific discovery, making "how we know what we know" an integral part of the text. The revised edition has been thoroughly updated with the latest astronomical discoveries and theories, and it has been streamlined to keep you focused on the essentials and to develop an understanding of the "big picture."

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## Alternate Versions

### Astronomy Today, Volume

### 1: The Solar System,

### Seventh Edition—Focuses

primarily on planetary

coverage for a 1-term course.

Includes Chapters 1-16, 28.

### Astronomy Today, Volume

### 2: Stars and Galaxies,

### Seventh Edition—Focuses

primarily on stars and stellar

evolution for a 1-term

course. Includes Chapters

1-5 and 16-28.

The Quest for Insight Macmillan

Higher Education

Astronomy is written in clear non-

technical language, with the

occasional touch of humor and a

wide range of clarifying

illustrations. It has many analogies

drawn from everyday life to help

non-science majors appreciate, on

their own terms, what our modern

exploration of the universe is

revealing. The book can be used

for either a one-semester or two-

semester introductory course

(bear in mind, you can customize

your version and include only

those chapters or sections you will

be teaching.) It is made available

free of charge in electronic form

(and low cost in printed form) to

students around the world. If you

have ever thrown up your hands in

despair over the spiraling cost of

astronomy textbooks, you owe

your students a good look at this

one. Coverage and Scope

Astronomy was written, updated,

and reviewed by a broad range of

astronomers and astronomy

educators in a strong community

effort. It is designed to meet scope

and sequence requirements of

introductory astronomy courses

nationwide. Chapter 1: Science and

the Universe: A Brief Tour Chapter

2: Observing the Sky: The Birth of

Astronomy Chapter 3: Orbits and

Gravity Chapter 4: Earth, Moon,

and Sky Chapter 5: Radiation and

Spectra Chapter 6: Astronomical

Instruments Chapter 7: Other

Worlds: An Introduction to the

Solar System Chapter 8: Earth as a

Planet Chapter 9: Cratered Worlds

Chapter 10: Earthlike Planets:

Venus and Mars Chapter 11: The

Giant Planets Chapter 12: Rings,

Moons, and Pluto Chapter 13:

Comets and Asteroids: Debris of

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the Solar System Chapter 14: Cosmic Samples and the Origin of the Solar System Chapter 15: The Sun: A Garden-Variety Star Chapter 16: The Sun: A Nuclear Powerhouse Chapter 17: Analyzing Starlight Chapter 18: The Stars: A Celestial Census Chapter 19: Celestial Distances Chapter 20: Between the Stars: Gas and Dust in Space Chapter 21: The Birth of Stars and the Discovery of Planets outside the Solar System Chapter 22: Stars from Adolescence to Old Age Chapter 23: The Death of Stars Chapter 24: Black Holes and Curved Spacetime Chapter 25: The Milky Way Galaxy Chapter 26: Galaxies Chapter 27: Active Galaxies, Quasars, and Supermassive Black Holes Chapter 28: The Evolution and Distribution of Galaxies Chapter 29: The Big Bang Chapter 30: Life in the Universe Appendix A: How to Study for Your Introductory Astronomy Course Appendix B: Astronomy Websites, Pictures, and Apps Appendix C: Scientific Notation Appendix D: Units Used in Science Appendix E: Some Useful Constants for Astronomy Appendix F: Physical and Orbital Data for the Planets Appendix G: Selected Moons of the Planets Appendix H: Upcoming Total Eclipses Appendix I: The Nearest Stars, Brown Dwarfs, and White Dwarfs Appendix J: The Brightest Twenty Stars Appendix K: The Chemical Elements Appendix L: The Constellations Appendix M: Star Charts and Sky Event Resources

Piloting and Ocean Navigation, a Reading Guide ... John Wiley & Sons

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composed of richly illustrated, two-page spreads designed to visually engage and instruct students. Complete with spectacular graphics and concise, compelling chapters, The Universe at a Glance packs an immense amount of awe-inspiring insights into a brief modular volume. Uniting engaging prose, fascinating details, and easy-to-follow Learning Outcomes, this accessible account of astronomy is flexible and fun, an ideal complement to a dynamic introductory course. The text is integrated with MasteringAstronomy to create an unrivalled learning suite for students and instructors. Also Available with MasteringAstronomy® This title is also available with MasteringAstronomy - an online homework, tutorial, and assessment program designed to work with this text to engage



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Astronomy Cambridge University Press

Writing in the Biological Sciences is a handy reference that new to advanced students can readily use on their own. A variety of student models prepare you for the most common writing assignments in undergraduate biology courses.

Principles of Optics Apologia Educational Ministries

Bringing criminal law to life. Criminal Law Today, Fifth Edition, brings criminal law to life by relating it to real stories from today's headlines. The text's approach is strongly influenced by the belief that the law has always been, and remains, a vital policy-making tool. As a topic for study and discussion, the nature and life of the law is more important today than ever before. The text highlights the challenges that face the law as it continues to adapt to the needs of a complex and rapidly changing society and features a balanced text/casebook approach that provides a lively introduction to criminal law. Effective in-text

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ENGINEERING  
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fundamental principles and physical laws. The book begins with a discovery of what engineers do as well as an inside look into the various areas of specialization. An explanation on good study habits and what it takes to succeed is included as well as an introduction to design and problem solving, communication, and ethics. Once this foundation is established, the book moves on to the basic physical concepts and laws that students will encounter regularly. The framework of this text teaches students that engineers apply physical and chemical laws and principles as well as mathematics to design, test, and supervise the production of millions of parts,

products, and services that people use every day. By gaining problem solving skills and an understanding of fundamental principles, students are on their way to becoming analytical, detail-oriented, and creative engineers. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The Cosmic Perspective Benjamin-Cummings Publishing Company With Astronomy Today, Seventh Edition, trusted authors Eric Chaisson and Steve McMillan communicate their excitement about astronomy and awaken students to the

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universe around them. The text emphasizes critical thinking and visualization, and it focuses on the process of scientific discovery, making "how we know what we know" an integral part of the text. The revised edition has been thoroughly updated with the latest astronomical discoveries and theories, and it has been streamlined to keep students focused on the essentials and to develop an understanding of the "big picture." Alternate Versions Astronomy Today, Volume 1: The Solar System, Seventh Edition-Focuses primarily on planetary coverage for a 1-term course. Includes

Chapters 1-16, 28. Astronomy Today, Volume 2: Stars and Galaxies, Seventh Edition-Focuses primarily on stars and stellar evolution for a 1-term course. Includes Chapters 1-5 and 16-28. The Solar System John Wiley & Sons This seventh edition of the book offers extensive discussion of information, uncertainty, and game theory. Loose-Leaf Version for Chemical Principles John Wiley & Sons With Astronomy Today, Seventh Edition, trusted authors Eric Chaisson and Steve McMillan communicate their excitement about astronomy and awaken you to the universe

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system ever built. Alternate Editions: Astronomy Today, Volume 1: The Solar System, Seventh Edition—Focuses primarily on planetary coverage for a 1-term course. Includes Chapters 1-16, 28. Astronomy Today, Volume 2: Stars and Galaxies, Seventh Edition—Focuses primarily on stars and stellar evolution for a 1-term course. Includes Chapters 1-5 and 16-28. Package Components: MasteringAstronomy with Pearson eText Student Access Code Card Astronomy Today Volume 1: The Solar System, Seventh Edition Astronomy Today

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Elsevier

Fascinating, engaging, and extremely visual, **THE SOLAR SYSTEM** emphasizes the scientific method throughout as it guides students to answer two fundamental questions: What are we? And how do we know? Updated with the newest developments and latest discoveries in the field of astronomy, authors Michael Seeds and Dana Backman discuss the interplay between evidence and hypothesis, while providing not only facts but also a conceptual framework for understanding the logic of science. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Stars and Galaxies Addison-Wesley

‘ The perfect text for any health care professional who wishes to gain a sound understanding of research... This text succeeds where others fail in terms of the thoroughness of the research process and the accessible style in which the material is presented. In an age when nursing and health care research is going from strength to strength this book offers those in the world of academia and practice an excellent and essential 'bible' that is a must on any bookshelf ’ Dr Aisha Holloway, Lecturer Adult Health, Division of Nursing, The University of Nottingham ‘ a book that helps you each step of the way. A very understandable and enjoyable publication ’ Accident and Emergency Nursing Journal ‘ key reference resource that

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students of research can use at various levels of study. It is comprehensive, user friendly and very easy to read and make sense of ' Gillian E Lang, Amazon reviewer The sixth edition of this book reflects significant developments in nursing research in recent years, ensuring the reader is provided with the very latest information on research processes and methods. It continues to explore how to undertake research as well as evaluating and using research findings in clinical practice, in a way that is suitable for both novice researchers and those with more experience. Divided into six sections, the chapters are ordered in a logical fashion that also allows the reader to dip in and out. The first two sections of the book provide a comprehensive background to research in nursing. The third section presents a variety of

qualitative and quantitative approaches, both new and well-established. The final three sections then look at collecting and making sense of the resulting data and putting the research findings into clinical practice. Summarises key points at the start of each chapter to guide you through Includes contributions from a wide range of experts in the field Accessible but doesn't shrink away from complex debates and technical issues New to this edition: Accompanying website ([www.wiley.com/go/gerrish](http://www.wiley.com/go/gerrish)) Ten completely new chapters including Narrative Research, Mixed Methods and Using Research in Clinical Practice ' Research Example ' boxes from a wide variety of research types Astronomy Today + MasteringAstronomy Addison-Wesley Now in its fifth edition, the

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book has been updated to include more detailed descriptions of new or more commonly used techniques since the last edition as well as remove those that are no longer used, procedures which have been developed recently, ionization constants (pKa values) and also more detail about the trivial names of compounds. In addition to having two general chapters on purification procedures, this book provides details of the physical properties and purification procedures, taken from literature, of a very extensive number of organic, inorganic and biochemical compounds which are commercially available. This is the only complete source that covers the purification of laboratory chemicals that are commercially available in this manner and format. Complete update of this valuable, well-known reference \* Provides

purification procedures of commercially available chemicals and biochemicals  
\* Includes an extremely useful compilation of ionisation constants

Navigation and Nautical Astronomy Academic Press

Astronomy Today Fundamental Astronomy Addison-Wesley

"Building on a long tradition of effective pedagogy and comprehensive presentation, The Cosmic Perspective includes an enhanced art program. This student-friendly text is now even more accessible through robust visual pedagogy via new Cosmic Context two-page illustrations, which walk students through key processes and summarize the major points of each Part, and via updated zoom-in figures which provide students with a sense of orientation, scale, and



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relation between images. In addition to an enhanced art program, the text also features new See It For Yourself boxes with practical hands-on activities for in-class use or self-study, and a new subset of Process of Science end-of-chapter questions that challenge students to think through how we know what we know about astronomy."--Product description.

### Foundations of Astronomy Butterworth-Heinemann

This text blends traditional introductory physics topics with an emphasis on human applications and an expanded coverage of modern physics topics, such as the existence of atoms and the conversion of mass into energy. Topical coverage is combined

with the author's lively, conversational writing style, innovative features, the direct and clear manner of presentation, and the emphasis on problem solving and practical applications.