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**Physics Addison-Wesley** *Physics* is designed to give readers conceptual insight and create active involvement in the learning process. Topics include vectors, forces, Newton's Laws of Motion, work and kinetic energy, potential energy, rotational dynamics, gravity, waves and sound, temperature and heat, Laws of Thermodynamics, and many more. For anyone interested in Algebra-based Physics. **Physics, Technology Update Addison-Wesley** *This edition features the exact same content as the traditional text in a convenient, three-hole-punched, loose-leaf version. Books a la Carte also offer a great value for your students--this format costs 35% less than a new textbook. Walker's goal is to help you make the connection between a conceptual understanding of physics and the various skills necessary to solve quantitative problems. The pedagogy and approach are based on over 20 years of teaching and reflect the results of physics education research. Already one of the best-selling textbooks in algebra-based physics, The Fourth Edition strengthens both the conceptual foundations and the tools for problem solving to make the book even better suited to today's students. QR codes appear throughout the textbook, enabling you to use your smartphone or tablet to instantly watch interactive videos about relevant demonstrations or problem-solving strategies.* **Pearson Physics Physics Addison-Wesley** **Physics and Technology for Future Presidents An Introduction to the Essential Physics Every World Leader Needs to Know** *Princeton University Press* *Physics for future world leaders* *Physics and Technology for Future Presidents* contains the essential physics that students need in order to understand today's core science and technology issues, and to become the next generation of world leaders. From the physics of energy to climate

change, and from spy technology to quantum computers, this is the only textbook to focus on the modern physics affecting the decisions of political leaders and CEOs and, consequently, the lives of every citizen. How practical are alternative energy sources? Can satellites really read license plates from space? What is the quantum physics behind iPods and supermarket scanners? And how much should we fear a terrorist nuke? This lively book empowers students possessing any level of scientific background with the tools they need to make informed decisions and to argue their views persuasively with anyone—expert or otherwise. Based on Richard Muller's renowned course at Berkeley, the book explores critical physics topics: energy and power, atoms and heat, gravity and space, nuclei and radioactivity, chain reactions and atomic bombs, electricity and magnetism, waves, light, invisible light, climate change, quantum physics, and relativity. Muller engages readers through many intriguing examples, helpful facts to remember, a fun-to-read text, and an emphasis on real-world problems rather than mathematical computation. He includes chapter summaries, essay and discussion questions, Internet research topics, and handy tips for instructors to make the classroom experience more rewarding. Accessible and entertaining, *Physics and Technology for Future Presidents* gives students the scientific fluency they need to become well-rounded leaders in a world driven by science and technology. Leading universities that have adopted this book include: Harvard Purdue Rice University University of Chicago Sarah Lawrence College Notre Dame Wellesley Wesleyan University of Colorado Northwestern Washington University in St. Louis University of Illinois - Urbana-Champaign Fordham University of Miami George Washington University Some images inside the book are unavailable due to digital copyright restrictions. **Parentology Everything You Wanted to Know about the Science of Raising Children but Were Too Exhausted to Ask** *Simon and Schuster* An award-winning scientist offers his unorthodox approach to childrearing: “Parentology is brilliant, jaw-droppingly funny, and full of wisdom...bound to change your thinking about parenting and its conventions” (Amy Chua, author of *Battle Hymn of the Tiger Mother*). If you're like many parents, you might ask family and friends for advice when faced with important choices about how to raise your kids. You might turn to parenting books or simply rely on timeworn religious or cultural traditions. But when Dalton Conley, a dual-doctorate scientist and full-blown nerd, needed childrearing advice, he turned to scientific research to make the big decisions. In *Parentology*, Conley hilariously reports the results of those experiments, from bribing his kids to do math (since studies show conditional cash transfers improved educational and health outcomes for kids) to teaching them impulse control by giving them weird names (because evidence shows kids with unique names learn not to react when their peers tease them) to getting a vasectomy (because fewer kids in a family mean smarter kids). Conley encourages parents to draw on the latest data to rear children, if only because that level of engagement with kids will produce solid and happy ones. Ultimately these experiments are very loving, and the outcomes are redemptive—even when Conley's sassy kids show him the limits of his profession. *Parentology* teaches you everything you need to know about the latest literature on parenting—with lessons that go down easy. You'll be laughing and learning at the same time. **College Physics** *Breton Publishing Company* **Modern Physics** *Cengage*

*Learning Accessible and flexible, MODERN PHYSICS, Third Edition has been specifically designed to provide simple, clear, and mathematically uncomplicated explanations of physical concepts and theories of modern physics. The authors clarify and show support for these theories through a broad range of current applications and examples-attempting to answer questions such as: What holds molecules together? How do electrons tunnel through barriers? How do electrons move through solids? How can currents persist indefinitely in superconductors? To pique student interest, brief sketches of the historical development of twentieth-century physics such as anecdotes and quotations from key figures as well as interesting photographs of noted scientists and original apparatus are integrated throughout. The Third Edition has been extensively revised to clarify difficult concepts and thoroughly updated to include rapidly developing technical applications in quantum physics. To complement the analytical solutions in the text and to help students visualize abstract concepts, the new edition also features free online access to QMTools, new platform-independent simulation software created by co-author, Curt Moyer, and developed with support from the National Science Foundation. Icons in the text indicate the problems designed for use with the software. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.*

**An Introduction to Thermodynamics and Statistical Mechanics** *Cambridge University Press* This introductory textbook for standard undergraduate courses in thermodynamics has been completely rewritten to explore a greater number of topics, more clearly and concisely. Starting with an overview of important quantum behaviours, the book teaches students how to calculate probabilities in order to provide a firm foundation for later chapters. It introduces the ideas of classical thermodynamics and explores them both in general and as they are applied to specific processes and interactions. The remainder of the book deals with statistical mechanics. Each topic ends with a boxed summary of ideas and results, and every chapter contains numerous homework problems, covering a broad range of difficulties. Answers are given to odd-numbered problems, and solutions to even-numbered problems are available to instructors at [www.cambridge.org/9781107694927](http://www.cambridge.org/9781107694927).

**Sears and Zemansky's University Physics With Modern Physics** *Pearson Education India* *University Physics with Modern Physics, Twelfth Edition* continues an unmatched history of innovation and careful execution that was established by the bestselling Eleventh Edition. Assimilating the best ideas from education research, this new edition provides enhanced problem-solving instruction, pioneering visual and conceptual pedagogy, the first systematically enhanced problems, and the most pedagogically proven and widely used homework and tutorial system available. Using Young & Freedman's research-based ISEE (Identify, Set Up, Execute, Evaluate) problem-solving strategy, students develop the physical intuition and problem-solving skills required to tackle the text's extensive high-quality problem sets, which have been developed and refined over the past five decades. Incorporating proven techniques from educational research that have been shown to improve student learning, the figures have been streamlined in color and detail to focus on the key physics and integrate 'chalkboard-style' guiding commentary. Critically acclaimed 'visual' chapter summaries help students to consolidate their understanding by presenting each

concept in words, math, and figures. Renowned for its superior problems, the Twelfth Edition goes further. Unprecedented analysis of national student metadata has allowed every problem to be systematically enhanced for educational effectiveness, and to ensure problem sets of ideal topic coverage, balance of qualitative and quantitative problems, and range of difficulty and duration. This is the standalone version of University Physics with Modern Physics, Twelfth Edition. **Strengthening Forensic Science in the United States A Path Forward** *National Academies Press* Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. *Strengthening Forensic Science in the United States: A Path Forward* provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. *Strengthening Forensic Science in the United States* gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators. **Wind Energy Explained Theory, Design and Application** *John Wiley & Sons* Wind energy's bestselling textbook—fully revised. This must-have second edition includes up-to-date data, diagrams, illustrations and thorough new material on: the fundamentals of wind turbine aerodynamics; wind turbine testing and modelling; wind turbine design standards; offshore wind energy; special purpose applications, such as energy storage and fuel production. Fifty additional homework problems and a new appendix on data processing make this comprehensive edition perfect for engineering students. This book offers a complete examination of one of the most promising sources of renewable energy and is a great introduction to this cross-disciplinary field for practising engineers. “provides a wealth of information and is an excellent reference book for people interested in the subject of wind energy.” (IEEE Power & Energy Magazine, November/December 2003) “deserves a place in the library of every university and college where renewable energy is taught.” (The International Journal of Electrical Engineering Education, Vol.41, No.2 April 2004) “a very comprehensive and well-organized treatment of the current status of wind power.” (Choice, Vol. 40, No. 4, December 2002) **Electricity and Magnetism** *Cambridge University Press* For 50 years, Edward M. Purcell's classic textbook has introduced students to the world of electricity and magnetism. The third edition has been brought up to date and is now in SI units. It features hundreds of new examples, problems, and figures, and contains discussions of real-life applications. The textbook covers all the standard

introductory topics, such as electrostatics, magnetism, circuits, electromagnetic waves, and electric and magnetic fields in matter. Taking a nontraditional approach, magnetism is derived as a relativistic effect. Mathematical concepts are introduced in parallel with the physics topics at hand, making the motivations clear. Macroscopic phenomena are derived rigorously from the underlying microscopic physics. With worked examples, hundreds of illustrations, and nearly 600 end-of-chapter problems and exercises, this textbook is ideal for electricity and magnetism courses. Solutions to the exercises are available for instructors at [www.cambridge.org/Purcell-Morin](http://www.cambridge.org/Purcell-Morin). **Solutions Manual for Students to Accompany Physics for Scientists and Engineers, Third Edition, by Paul A. Tipler** *W H Freeman & Company* **Calculus on Manifolds A Modern Approach to Classical Theorems of Advanced Calculus** *Westview Press* This book uses elementary versions of modern methods found in sophisticated mathematics to discuss portions of "advanced calculus" in which the subtlety of the concepts and methods makes rigor difficult to attain at an elementary level. **Physics, Books a la Carte Edition** *Addison-Wesley* NOTE: This edition features the same content as the traditional text in a convenient, three-hole-punched, loose-leaf version. Books a la Carte also offer a great value-this format costs significantly less than a new textbook. Before purchasing, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a Course ID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. Intended for algebra-based introductory physics courses. An accessible, problem-solving approach to physics, grounded in real-world applications James Walker's Physics provides students with a solid conceptual understanding of physics that can be expressed quantitatively and applied to the world around them. Instructors and students praise Walker's Physics for its friendly voice, the author's talent for making complex concepts understandable, an inviting art program, and the range of excellent homework problems and example-types that provide guidance with problem solving. The Fifth Edition includes new "just-in-time" learning aids such as "Big Ideas" to quickly orient students to the overarching principles of each chapter, new Real-World Physics and Biological applications, and a wealth of problem-solving support features to coach students through the process of applying logic and reasoning to problem solving. Also available with MasteringPhysics™ MasteringPhysics from Pearson is the leading online homework, tutorial, and assessment system, designed to improve results by engaging students before, during, and after class with powerful content. Instructors ensure students arrive ready to learn by assigning educationally effective content before class and encourage critical thinking and retention with in-class resources such as Learning Catalytics. Students can further master concepts after class through traditional and adaptive homework assignments that provide hints and answer-specific feedback. The Mastering gradebook records scores for all automatically graded assignments in one place, while diagnostic tools give instructors access to rich data to assess student understanding and misconceptions. Mastering brings learning full circle by continuously adapting to each student and making learning more personal than

ever--before, during, and after class. **Physics with Masteringphysics Addison-Wesley Social Policy for Children and Families A Risk and Resilience Perspective** SAGE Publications Written in a conversational and applied style, Social Policy for Children and Families is an award-winning book that incorporates cutting-edge research across policy sectors in the human services. New editors William James Hall III and Paul J. Lanier, in collaboration with Jeffrey M. Jenson and Mark W. Fraser, have carefully crafted this 4th edition to include balanced coverage across areas of poverty, child welfare, education, public health, developmental challenges, substance use, immigration, juvenile justice, and gun violence. This book is an ideal core text for graduate and upper level undergraduate courses and a vital resource for elected officials, policy makers, and others interested in the evolution of policies aimed at preventing problem behaviors and supporting children and families.

**College Physics for AP® Courses Part 1: Chapters 1-17** The College Physics for AP(R) Courses text is designed to engage students in their exploration of physics and help them apply these concepts to the Advanced Placement(R) test. This book is Learning List-approved for AP(R) Physics courses. The text and images in this book are grayscale.

**Physics for Scientists and Engineers A Strategic Approach : with Moden Physics Addison-Wesley** These popular and proven workbooks help students build confidence before attempting end-of-chapter problems. They provide short exercises that focus on developing a particular skill, mostly requiring students to draw or interpret sketches and graphs. **Chemistry for Engineering Students Cengage Learning** CHEMISTRY FOR ENGINEERING STUDENTS, connects chemistry to engineering, math, and physics; includes problems and applications specific to engineering; and offers realistic worked problems in every chapter that speak to your interests as a future engineer. Packed with built-in study tools, this textbook gives you the resources you need to master the material and succeed in the course.

Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. **Digital Design: Principles And Practices, 4/E Pearson Education India College Physics A Strategic Approach Technology Update Volume 1 (Chapters 1-16) Addison-Wesley The Adult Learner The Definitive Classic in Adult Education and Human**

**Resource Development Routledge** How do you tailor education to the learning needs of adults? Do they learn differently from children? How does their life experience inform their learning processes? These were the questions at the heart of Malcolm Knowles' pioneering theory of andragogy which transformed education theory in the 1970s. The resulting principles of a self-directed, experiential, problem-centred approach to learning have been hugely influential and are still the basis of the learning practices we use today. Understanding these principles is the cornerstone of increasing motivation and enabling adult learners to achieve. The 9th edition of The Adult Learner has been revised to include: Updates to the book to reflect the very latest advancements in the field. The addition of two new chapters on diversity and inclusion in adult learning, and andragogy and the online adult learner. An updated supporting website. This website for the 9th edition of The Adult Learner will provide basic instructor aids. For each chapter, there will be a PowerPoint presentation, learning exercises, and added study questions. Revisions throughout to make it more readable and relevant to your practices. If you are a

researcher, practitioner, or student in education, an adult learning practitioner, training manager, or involved in human resource development, this is the definitive book in adult learning you should not be without. **Holt Physics HARCOURT EDUCATION COMPANY Physics for Scientists & Engineers Addison-Wesley** This package contains the following components: -0132273594: Physics for Scientists & Engineers Vol. 2 (Chs 21-35) -0132274000: Physics for Scientists & Engineers with Modern Physics, Vol. 3 (Chs 36-44) -013613923X: Physics for Scientists & Engineers Vol. 1 (Chs 1-20) with MasteringPhysics(tm) **Nuclear Energy An Introduction to the Concepts, Systems, and Applications of Nuclear Processes Butterworth-Heinemann** Energy -- Atoms and nuclei -- Radioactivity -- Nuclear processes -- Radiation and materials -- Fission -- Fusion -- Particle accelerators -- Isotope separators -- Radiation detectors -- Neutron chain reactions -- Nuclear heat energy -- Breeder reactors -- Fusion reactors -- The history of nuclear energy -- Biological effects of radiation -- Information from isotopes -- Useful radiation effects -- Reactor safety -- Nuclear propulsion -- Radiation protection -- Radioactive waste disposal -- Laws, regulations, and organizations -- Energy economics -- International nuclear power -- Nuclear explosions -- The future. **Introduction to Health Physics: Fourth Edition McGraw Hill Professional** A dynamic, all-inclusive overview of the field of health physics If it's an important topic in the field of health physics, you'll find it in this trusted text . . . in sections on physical principles, atomic and nuclear structure, radioactivity, biological effects of radiation, and instrumentation. This one-of-a-kind guide spans the entire scope of the field and offers a problem-solving approach that will serve you throughout your career. Features: A thorough overview of need-to-know topics, from a review of physical principles to a useful look at the interaction of radiation with matter Chapter-ending practice problems to solidify your grasp of health physics topics and their real-world application Essential background material on quantitative risk assessment for health-threatening radiation dangers Authoritative radiation safety and environmental health coverage that supports the International Commission on Radiological Protection's standards for specific populations High-yield appendices to expand your comprehension of chapter material: Values of Some Useful Constants, Table of the Elements, The Reference Person, Specific Absorbed Fraction of Photon Energy, and Total Mass Attenuation Coefficients NEW! Essential coverage of non-ionizing radiation-laser and microwaves, computer use in dose calculation, and dose limit recommendations **College Physics "College Physics," Second Edition** is the best solution for today's college physics market. With a unique, new, approach to physics that builds a conceptual framework as motivation for the physical principles, consistent problem solving coverage strategies, stunning art, extensive end-of-chapter material, and superior media support, Giambattista, Richardson, and Richardson delivers a product that addresses today's market needs with the best tools available.. **Nuclear Energy ebook Collection Ultimate CD Elsevier** Nuclear Energy ebook Collection contains 6 of our best-selling titles, providing the ultimate reference for every nuclear energy engineer's library. Get access to over 3500 pages of reference material, at a fraction of the price of the hard-copy books. This CD contains the complete ebooks of the following 6 titles: Petrangeli, Nuclear Safety, 9780750667234 Murray, Nuclear Energy, 9780750671361 Bayliss, Nuclear Decommissioning, 9780750677448

Suppes, Sustainable Nuclear Power, 9780123706027 Lewis, Fundamentals of Nuclear Reactor Physics, 9780123706317 Kozima, The Science of the Cold Fusion Phenomenon, 9780080451107 \*Six fully searchable titles on one CD providing instant access to the ULTIMATE library of engineering materials for nuclear energy professionals \*3500 pages of practical and theoretical nuclear energy information in one portable package. \*Incredible value at a fraction of the cost of the print books

**Astroparticle Physics** Springer Nature Describes the branch of astronomy in which processes in the universe are investigated with experimental methods employed in particle-physics experiments. After a historical introduction the basics of elementary particles, Explains particle interactions and the relevant detection techniques, while modern aspects of astroparticle physics are described in a chapter on cosmology. Provides an orientation in the field of astroparticle physics that many beginners might seek and appreciate because the underlying physics fundamentals are presented with little mathematics, and the results are illustrated by many diagrams. Readers have a chance to enter this field of astronomy with a book that closes the gap between expert and popular level.

**Physics for Scientists & Engineers with Modern Physics** Prentice Hall Key Message: This book aims to explain physics in a readable and interesting manner that is accessible and clear, and to teach readers by anticipating their needs and difficulties without oversimplifying. Physics is a description of reality, and thus each topic begins with concrete observations and experiences that readers can directly relate to. We then move on to the generalizations and more formal treatment of the topic. Not only does this make the material more interesting and easier to understand, but it is closer to the way physics is actually practiced. Key Topics: INTRODUCTION, MEASUREMENT, ESTIMATING, DESCRIBING MOTION: KINEMATICS IN ONE DIMENSION, KINEMATICS IN TWO OR THREE DIMENSIONS; VECTORS, DYNAMICS: NEWTON'S LAWS OF MOTION , USING NEWTON'S LAWS: FRICTION, CIRCULAR MOTION, DRAG FORCES , GRAVITATION AND NEWTON'S6 SYNTHESIS , WORK AND ENERGY, CONSERVATION OF ENERGY, LINEAR MOMENTUM, ROTATIONAL MOTION, ANGULAR MOMENTUM; GENERAL ROTATION, STATIC EQUILIBRIUM; ELASTICITY AND FRACTURE, FLUIDS, OSCILLATIONS, WAVE MOTION, SOUND, TEMPERATURE, THERMAL EXPANSION, AND THE IDEAL GAS LAW, KINETIC THEORY OF GASES, HEAT AND THE FIRST LAW OF THERMODYNAMICS, SECOND LAW OF THERMODYNAMICS Market Description: This book is written for readers interested in learning the basics of physics. **Introduction to Spectroscopy** Cengage Learning Introduce your students to the latest advances in spectroscopy with the text that has set the standard in the field for more than three decades: INTRODUCTION TO SPECTROSCOPY, 5e, by Donald L. Pavia, Gary M. Lampman, George A. Kriz, and James R. Vyvyan. Whether you use the book as a primary text in an upper-level spectroscopy course or as a companion book with an organic chemistry text, your students will receive an unmatched, systematic introduction to spectra and basic theoretical concepts in spectroscopic methods. This acclaimed resource features up-to-date spectra; a modern presentation of one-dimensional nuclear magnetic resonance (NMR) spectroscopy; an introduction to biological molecules in mass spectrometry; and coverage of modern techniques alongside DEPT, COSY, and HECTOR. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook

version. **Advanced Engineering Mathematics Pearson New International Edition** Appropriate for one- or two-semester Advanced Engineering Mathematics courses in departments of Mathematics and Engineering. This clear, pedagogically rich book develops a strong understanding of the mathematical principles and practices that today's engineers and scientists need to know. Equally effective as either a textbook or reference manual, it approaches mathematical concepts from a practical-use perspective making physical applications more vivid and substantial. Its comprehensive instructional framework supports a conversational, down-to-earth narrative style offering easy accessibility and frequent opportunities for application and reinforcement. **Physics.** The publication of the first edition of Physics in 1960 launched the modern era of physics textbooks. It was a new paradigm then and, after 40 years, it continues to be the dominant model for all texts. The big change in the market has been a shift to a lower level, more accessible version of the model. Fundamentals of Physics is a good example of this shift. In spite of this change, there continues to be a demand for the original version and, indeed, we are seeing a renewed interest in Physics as demographic changes have led to greater numbers of well-prepared students entering university. Physics is the only book available for academics looking to teach a more demanding course. **Critical Thinking A Student's Introduction Ingram IB Physics Course Book for the IB Diploma OUP Oxford** The most comprehensive match to the new 2014 Chemistry syllabus, this completely revised edition gives you unrivalled support for the new concept-based approach, the Nature of science. The only DP Chemistry resource that includes support directly from the IB, focused exam practice, TOK links and real-life applications drive achievement. **College Physics Brooks/Cole Publishing Company** Covers vectors, kinematics, dynamics, circular motion, equilibrium, energy, momentum, gravitation, elasticity, vibration, fluids, sound, heat, electricity, electromagnetism, optics, relativity, and nuclear physics, and includes practice exercises **Fundamentals of Physics, Chapters 1 - 21 Wiley University Physics** University Physics is designed for the two- or three-semester calculus-based physics course. The text has been developed to meet the scope and sequence of most university physics courses and provides a foundation for a career in mathematics, science, or engineering. The book provides an important opportunity for students to learn the core concepts of physics and understand how those concepts apply to their lives and to the world around them. Due to the comprehensive nature of the material, we are offering the book in three volumes for flexibility and efficiency. Coverage and Scope Our University Physics textbook adheres to the scope and sequence of most two- and three-semester physics courses nationwide. We have worked to make physics interesting and accessible to students while maintaining the mathematical rigor inherent in the subject. With this objective in mind, the content of this textbook has been developed and arranged to provide a logical progression from fundamental to more advanced concepts, building upon what students have already learned and emphasizing connections between topics and between theory and applications. The goal of each section is to enable students not just to recognize concepts, but to work with them in ways that will be useful in later courses and future careers. The organization and pedagogical features were developed and vetted with feedback from science educators dedicated to the project. VOLUME I Unit

1: Mechanics Chapter 1: Units and Measurement Chapter 2: Vectors Chapter 3: Motion Along a Straight Line Chapter 4: Motion in Two and Three Dimensions Chapter 5: Newton's Laws of Motion Chapter 6: Applications of Newton's Laws Chapter 7: Work and Kinetic Energy Chapter 8: Potential Energy and Conservation of Energy Chapter 9: Linear Momentum and Collisions Chapter 10: Fixed-Axis Rotation Chapter 11: Angular Momentum Chapter 12: Static Equilibrium and Elasticity Chapter 13: Gravitation Chapter 14: Fluid Mechanics Unit 2: Waves and Acoustics Chapter 15: Oscillations Chapter 16: Waves Chapter 17: Sound