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**PISA Take the Test Sample Questions from OECD's PISA Assessments Sample Questions from OECD's PISA Assessments** *OECD Publishing* This book presents all the publicly available questions from the PISA surveys. Some of these questions were used in the PISA 2000, 2003 and 2006 surveys and others were used in developing and trying out the assessment. **Cambridge IGCSE Geography** *Collins Educational* An investigative approach to Cambridge IGCSE Geography, written in partnership with the Geographical Association. Encourage students to make links between case studies and their own local contexts as well as exploring the core themes and skills of the 0460 syllabus in the context of global case studies and processes. Prepare for exam success with full coverage of the core themes of Paper 1 (Population and Settlement, The Natural Environment, Economic Development and the Use of Resources) as well as the geographical and fieldwork skills elements of Papers 2, 3 and 4. Help students focus on achieving the best grades with excellent exam support for each Paper, with exam-style questions, answers at different levels and accompanying comments. Be confident in the content and approach - this resource is written by highly experienced Geography teachers, consulted edited by a CIE Principal Examiner, and produced in partnership with the UK Geographical Association - the home of best practice in Geography teaching. **Edexcel GCSE (9-1) Business, Second Edition** *Hachette UK Exam Board: Edexcel Level: GCSE Subject: Business First Teaching: September 2017 First Exam: June 2019 Endorsed for Edexcel* Let Ian Marcouse successfully steer you through the new specification with his proven and popular approach to Business; clear content coverage is enhanced by numerous real-life examples to create a course that engages, motivates and develops every student. - Breaks down the content of the 2017 specification into clear, accessible explanations of important concepts and theories - Helps students apply their knowledge to a range of real business examples, issues and contexts, supported by 'Talking Points' that encourage critical and commercial thinking - Improves quantitative, investigative, analytical and evaluation skills through end-of-chapter exercises - Builds students' confidence approaching their exams as they practise calculation, short answer and extended-writing questions with stimulus materials - Boosts students' vocabulary and supports revision with definitions of key terminology for each topic **Cincinnati Magazine** Cincinnati Magazine taps into the DNA of the city, exploring shopping, dining, living, and culture and giving readers a ringside seat on the issues shaping the region. **Life Sciences, Grade 10** Study & Master Life Sciences Grade 10 has been especially developed by an experienced author team for the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in Life Sciences. The comprehensive Learner's Book includes: \* an expanded contents page indicating the CAPS coverage required for each strand \* a mind map at the beginning of each module that gives an overview of the contents of that module \* activities throughout that help develop learners' science knowledge and skills as well as Formal Assessment tasks to test their learning \* a review at the end of each unit that provides for consolidation of learning \* case studies that link science to real-life situations and present balanced views on sensitive issues. \* 'information' boxes providing interesting additional information and 'Note' boxes that bring important information to the learner's attention **A Taxonomy for Learning, Teaching, and Assessing A Revision of Bloom's Taxonomy of Educational Objectives** *Pearson* This revision of Bloom's taxonomy is designed to help teachers understand and implement standards-based curriculums. Cognitive psychologists, curriculum specialists, teacher educators, and researchers have developed a two-dimensional framework, focusing on knowledge and cognitive processes. In combination, these two define what students are expected to learn in school. It explores curriculums from three unique perspectives-cognitive psychologists (learning emphasis), curriculum specialists and teacher educators (C & L emphasis), and measurement and assessment experts (assessment emphasis). This revisited framework allows you to connect learning in all areas of curriculum. Educators, or others interested in educational psychology or educational methods for grades K-12. **Standards of Practice Handbook, Eleventh Edition Accounting, Grade 10** Study & Master Accounting Grade 10 has been especially developed by an experienced author team according to the Curriculum and Assessment Policy Statement (CAPS). The comprehensive Learner's Book includes: \* case studies which deal with issues related to the real world, and move learners beyond the confines of the classroom \* margin notes to assist learners with new concepts - especially GAAP flashes, that give learners guidance on General Accepted Accounting Practice \* examples with solutions after the introduction of each new concept. The Teacher's File includes: \* a daily teaching plan, divided into the four terms, that guides the teacher on what to teach per day and per week \* moderation templates to assist teachers with assessment \* solutions to all the activities in the Learner's Book. The CD-Rom with a PowerPoint presentation includes: \* interactive examples to explain new concepts \* links to all solutions to activities and assessments in the Learner's Book **Cambridge IGCSE Sociology Coursebook** *Cambridge University Press* This fresh set of resources for Cambridge IGCSE Sociology syllabus 0495 (and Cambridge O Level Sociology syllabus 2251) is carefully crafted to match and support the revised syllabus for first examination in 2016. Written in clear and accessible language, the Coursebook provides comprehensive coverage of the syllabus in a visually-stimulating format. Key sociological research combined with case studies and thought provoking questions help in understanding concepts. Features such as Key terms and Revision checklists further reinforce learning and understanding of core subject areas. Engaging activities help in applying knowledge in various contexts and building interpretation, analytical and evaluation skills. The book provides complete exam support with each chapter culminating in exam-style questions and a further chapter dedicated to revision, and examination skills and practice. A Teachers CD-ROM is also available. **The Goldfish Boy** *Scholastic UK* Twelve-year-old Matthew is trapped in his bedroom by crippling OCD, spending most of his time staring out of his window as the inhabitants of Chestnut Close go about their business. Until the day he is the last person to see his next door neighbour's toddler, Teddy, before he goes missing. Matthew must turn detective and unravel the mystery of Teddy's disappearance - with the help of a brilliant cast of supporting characters. Page-turning, heartbreaking, but ultimately life-affirming, this story is perfect for fans of *The Curious Incident of the Dog in the Night Time* and *Wonder*. It is a book that will make you laugh and cry. **Future of solar photovoltaic** *International Renewable Energy Agency (IRENA)* This study presents options to fully unlock the world's vast solar PV potential over the period until 2050. It builds on IRENA's global roadmap to scale up renewables and meet climate goals. **Study And Master Life Sciences Grade 10 Teacher's Guide** Study & Master Life Sciences was developed by practising teachers, and covers all the requirements of the National Curriculum Statement for Life Sciences. Learner's Book: □ module openers, explaining the outcomes Ž icons, indicating group, paired or individual activities Ž key vocabulary boxes, which assist learners in dealing with new terms Ž activities to solve problems, design solutions, set up tests/controls and record results Ž assessment activities Ž case studies, and projects, which deal with issues related to the real world, and move learners beyond the confines of the classroom Teacher's Guide: Ž An overview of the RNCS Ž an introduction to outcomes-based education Ž a detailed look at the Learning Outcomes and Assessment Standards for Life Sciences, and how much time to allocate to each during the year Ž information on managing assessment Ž solutions to all the activities in the Learner's Book Ž photocopyable assessment sheets **How to Become a Straight-A Student The Unconventional Strategies Real College Students Use to Score High While Studying Less** *Random House of Canada* Offers time-management strategies, tips on taking tests, techniques for writing essays better and faster, and self-assessment tests to help students analyze their study skills. **The Role of Knowledge Brokers in Education Connecting the Dots Between Research and Practice** *Routledge* This ground-breaking book comprehensively addresses an area of major and sustained concern: how to improve the use of research evidence and enhance educators' research engagement as a route to the improvement of educational practice. It focuses on the topic of knowledge brokering and mobilization in education, and its role in fostering evidence-informed practice. Divided into three sections, each addressing a different role of knowledge mobilizers, the book is based in clear evidentiary grounding. The chapters: Explore payoffs and challenges of connecting research to practice Provide recommendations in relation to practice and decision-making Present organized and professionally-enhancing tools, strategies and insights Written by internationally-recognized leaders and expert contributors, *The Role of Knowledge Brokers in Education* brings together extensive and global perspectives in an accessible yet comprehensive volume. This book is an invaluable resource for educational leaders worldwide who are interested in using or generating research for school improvement, as well as researchers, academics, and students in schools of education. **Songs of Ourselves** *Foundation Books* Songs of Ourselves: the University of Cambridge International Examinations Anthology of Poetry in English contains work by more than 100 poets from all parts of the English speaking world. **81 Fresh & Fun Critical-thinking Activities Engaging Activities and Reproducibles to Develop Kids' Higher-level Thinking Skills** *Scholastic Inc.* Help children of all learning styles and strengths improve their critical thinking skills with these creative, cross-curricular activities. Each engaging activity focuses on skills such as recognizing and recalling, evaluating, and analyzing. **The International Baccalaureate An Experiment in International Education** *London : G. G. Harrap* **World Migration Report 2020** *United Nations* Since 2000, IOM has been producing world migration reports. The World Migration Report 2020, the tenth in the world migration report series, has been produced to contribute to increased understanding of migration throughout the world. This new edition presents key data and information on migration as well as thematic chapters on highly topical migration issues, and is structured to focus on two key contributions for readers: Part I: key information on migration and migrants (including migration-related statistics); and Part II: balanced, evidence-based analysis of complex and emerging migration issues. **Protecting the right to freedom of expression under the European Convention on Human Rights A handbook for legal practitioners** *Council of Europe* European Convention on Human Rights - Article 10 - Freedom of expression 1. Everyone has the right to freedom of expression. This right shall include freedom to hold opinions and to receive and impart information and ideas without interference by public authority and regardless of frontiers. This article shall not prevent States from requiring the licensing of broadcasting, television or cinema enterprises. 2. The exercise of these freedoms, since it carries with it duties and responsibilities, may be subject to such formalities, conditions, restrictions or penalties as are prescribed by law and are necessary in a democratic society, in the interests of national security, territorial integrity or public safety, for the prevention of disorder or crime, for the protection of health or morals, for the protection of the reputation or rights of others, for preventing the disclosure of information received in confidence, or for maintaining the authority and impartiality of the judiciary. In the context of an effective democracy and respect for human rights mentioned in the Preamble to the European Convention on Human Rights, freedom of expression is not only important in its own right, but it also plays a central part in the protection of other rights under the Convention. Without a broad guarantee of the right to freedom of expression protected by independent and impartial courts, there is no free country, there is no democracy. This general proposition is undeniable. This handbook is a practical tool for legal professionals from Council of Europe member states who wish to strengthen their skills in applying the European Convention on Human Rights and the case law of the European Court of Human Rights in their daily work. **Five Hundred and One Critical Reading Questions** *Learning Express Llc* The critical reading section on standardized tests, especially the SAT 1 exam, is often cited as a trouble section for even the best test-takers. Examinees get test-targeted reading comprehension practice questions to score better with LearningExpress' series, Skill Builder in Focus. This specialized drill book provides the focused practice necessary for test-taking success. Plus, all answers are explained, using terms that clarify context, main ideas, themes, and critical thinking skills for effective studying and positive reinforcement. Almost every standardized test in verbal skills, including civil service exams, contains reading comprehension questions. Each practice consists of several passages followed by questions and

answer explanations. **TALIS Creating Effective Teaching and Learning Environments First Results from TALIS First Results from TALIS OECD Publishing** This publication is the first report from the OECD's Teaching and Learning International Survey (TALIS). It provides quantitative, policy-relevant information on the teaching and learning environment in schools in 23 countries. **Cambridge IGCSE and O Level Economics Hachette UK** Written with the international student in mind, this book is endorsed by Cambridge International Examinations and contains the most up-to-date case studies, global examples and statistics. - In-depth coverage of every aspect of the latest Cambridge IGCSE and O Level Economics syllabuses to help students build the skills needed to succeed - Engaging and contemporary case studies and examples ensure the book is relevant to the international student - Accessible language and key terms defined to support ESL/EAL students - Student-focused CD-ROM provides useful weblinks to the latest case studies, interactive activities and answers to the questions in the textbook "A stimulating and exciting introduction to Economics that enables students from anywhere in the world to relate to the subject." Caroline Loewenstein, Economics and Business Education Association Cambridge International Examinations and Hodder Education Hodder Education works closely with Cambridge International Examinations and is an authorised publisher of endorsed textbooks for a wide range of Cambridge syllabuses and curriculum frameworks. Hodder Education resources - tried and tested over many years but updated regularly - are used with confidence worldwide by thousands of Cambridge students. **Factfulness Ten Reasons We're Wrong About the World--and Why Things Are Better Than You Think Flatiron Books** INSTANT NEW YORK TIMES BESTSELLER "One of the most important books I've ever read—an indispensable guide to thinking clearly about the world." – Bill Gates "Hans Rosling tells the story of 'the secret silent miracle of human progress' as only he can. But Factfulness does much more than that. It also explains why progress is so often secret and silent and teaches readers how to see it clearly." —Melinda Gates "Factfulness by Hans Rosling, an outstanding international public health expert, is a hopeful book about the potential for human progress when we work off facts rather than our inherent biases." - Former U.S. President Barack Obama Factfulness: The stress-reducing habit of only carrying opinions for which you have strong supporting facts. When asked simple questions about global trends—what percentage of the world's population live in poverty; why the world's population is increasing; how many girls finish school—we systematically get the answers wrong. So wrong that a chimpanzee choosing answers at random will consistently outguess teachers, journalists, Nobel laureates, and investment bankers. In Factfulness, Professor of International Health and global TED phenomenon Hans Rosling, together with his two long-time collaborators, Anna and Ola, offers a radical new explanation of why this happens. They reveal the ten instincts that distort our perspective—from our tendency to divide the world into two camps (usually some version of us and them) to the way we consume media (where fear rules) to how we perceive progress (believing that most things are getting worse). Our problem is that we don't know what we don't know, and even our guesses are informed by unconscious and predictable biases. It turns out that the world, for all its imperfections, is in a much better state than we might think. That doesn't mean there aren't real concerns. But when we worry about everything all the time instead of embracing a worldview based on facts, we can lose our ability to focus on the things that threaten us most. Inspiring and revelatory, filled with lively anecdotes and moving stories, Factfulness is an urgent and essential book that will change the way you see the world and empower you to respond to the crises and opportunities of the future. --- "This book is my last battle in my life-long mission to fight devastating ignorance...Previously I armed myself with huge data sets, eye-opening software, an energetic learning style and a Swedish bayonet for sword-swallowing. It wasn't enough. But I hope this book will be." Hans Rosling, February 2017. **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. **Proofreading, Revising & Editing Skills Success in 20 Minutes a Day Learning Express Llc** This comprehensive guide will prepare candidates for the test in all 50 states. It includes four complete practice exams, a real estate refresher course and complete math review, as well as a real estate terms glossary with over 900 terms, and expert test-prep tips. **Mathematical Literacy, Grade 10 Study & Master Mathematical Literacy Grade 10** has been especially developed by an experienced author team according to the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in Mathematical Literacy. The Teacher's File includes: \* a weekly teaching schedule, divided into the four terms to guide the teacher on what to teach \* extra project templates for teachers to choose from \* solutions to all the activities in the Learner's Book. **U.S. History** Published by OpenStax College, U.S. History covers the breadth of the chronological history of the United States and also provides the necessary depth to ensure the course is manageable for instructors and students alike. U.S. History is designed to meet the scope and sequence requirements of most courses. The authors introduce key forces and major developments that together form the American experience, with particular attention paid to considering issues of race, class and gender. The text provides a balanced approach to U.S. history, considering the people, events and ideas that have shaped the United States from both the top down (politics, economics, diplomacy) and bottom up (eyewitness accounts, lived experience). **Building Thinking Classrooms in Mathematics, Grades K-12 14 Teaching Practices for Enhancing Learning Corwin Press** A thinking student is an engaged student Teachers often find it difficult to implement lessons that help students go beyond rote memorization and repetitive calculations. In fact, institutional norms and habits that permeate all classrooms can actually be enabling "non-thinking" student behavior. Sparked by observing teachers struggle to implement rich mathematics tasks to engage students in deep thinking, Peter Liljedahl has translated his 15 years of research into this practical guide on how to move toward a thinking classroom. Building Thinking Classrooms in Mathematics, Grades K-12 helps teachers implement 14 optimal practices for thinking that create an ideal setting for deep mathematics learning to occur. This guide Provides the what, why, and how of each practice and answers teachers' most frequently asked questions Includes firsthand accounts of how these practices foster thinking through teacher and student interviews and student work samples Offers a plethora of macro moves, micro moves, and rich tasks to get started Organizes the 14 practices into four toolkits that can be implemented in order and built on throughout the year When combined, these unique research-based practices create the optimal conditions for learner-centered, student-owned deep mathematical thinking and learning, and have the power to transform mathematics classrooms like never before. **Cambridge International AS and A Level Economics Second Edition Hachette UK** Endorsed by Cambridge International to support the full syllabus for examination from 2023. Build strong subject knowledge and skills and an international outlook with author guidance and in-depth coverage of the revised Cambridge International AS & A Level Economics syllabus (9708). - Understand how the key concepts relate to real-life contexts with numerous case studies and examples from economies around the world. - Build confidence with opportunities to check understanding and tackle exam-style questions. - Ensure a thorough understanding with synoptic links that encourage students to apply their knowledge across different elements of the course. - Master the vocabulary needed to critically assess with key terms and concepts defined throughout, especially helpful for those whose first language is not English. - Develop quantitative skills with opportunities to interpret data throughout. - Maximise potential with study tips in each chapter that cover tricky concepts and provide advice on how to apply skills. **Songs of Ourselves Cambridge University Press** The University of Cambridge Anthologies of Poetry and Stories. **Schools of Thought How the Politics of Literacy Shape Thinking in the Classroom Jossey-Bass** As a result of his visits to classrooms across the nation, Brown has compiled an engaging, thought-provoking collection of classroom vignettes which show the ways in which national, state, and local school politics translate into changed classroom practices. "Captures the breadth, depth, and urgency of education reform"---Bill Clinton. **Long Walk To Freedom Hachette UK** These memoirs from one of the great leaders of our time are 'essential reading for anyone who wants to understand history - and then go out and change it' Barack Obama The riveting memoirs of the outstanding moral and political leader of our time, Long Walk to Freedom brilliantly re-creates the drama of the experiences that helped shape Nelson Mandela's destiny. Emotive, compelling and uplifting, Long Walk to Freedom is the exhilarating story of an epic life; a story of hardship, resilience and ultimate triumph told with the clarity and eloquence of a born leader. 'Enthralling . . . Mandela emulates the few great political leaders such as Lincoln and Gandhi, who go beyond mere consensus and move out ahead of their followers to break new ground' Sunday Times 'The authentic voice of Mandela shines through this book . . . humane, dignified and magnificently unembittered' The Times 'Burns with the luminosity of faith in the invincible nature of human hope and dignity . . . Unforgettable' Andre Brink **The Joy of the Gospel Evangelii Gaudium Image** The perfect gift! A specially priced, beautifully designed hardcover edition of The Joy of the Gospel with a foreword by Robert Barron and an afterword by James Martin, SJ. "The joy of the gospel fills the hearts and lives of all who encounter Jesus... In this Exhortation I wish to encourage the Christian faithful to embark upon a new chapter of evangelization marked by this joy, while pointing out new paths for the Church's journey in years to come." – Pope Francis This special edition of Pope Francis's popular message of hope explores themes that are important for believers in the 21st century. Examining the many obstacles to faith and what can be done to overcome those hurdles, he emphasizes the importance of service to God and all his creation. Advocating for "the homeless, the addicted, refugees, indigenous peoples, the elderly who are increasingly isolated and abandoned," the Holy Father shows us how to respond to poverty and current economic challenges that affect us locally and globally. Ultimately, Pope Francis demonstrates how to develop a more personal relationship with Jesus Christ, "to recognize the traces of God's Spirit in events great and small." Profound in its insight, yet warm and accessible in its tone, The Joy of the Gospel is a call to action to live a life motivated by divine love and, in turn, to experience heaven on earth. Includes a foreword by Robert Barron, author of Catholicism: A Journey to the Heart of the Faith and James Martin, SJ, author of Jesus: A Pilgrimage **Business Studies Hodder Education** Exam board: Cambridge Assessment International Education Level: IGCSE Subject: Business Studies First teaching: September 2018 First exams: Summer 2020 This title is endorsed by Cambridge Assessment International Education to support the full syllabus for examination from 2020. Discover business theory beyond the classroom by exploring real-world international businesses through case studies; rely on a tried-and-tested Student's Book to ensure full coverage of the latest Cambridge IGCSE and O Level Business Studies syllabuses (0450/0986/7115). - Encourage understanding with engaging case studies and clear and lively text gradually building content knowledge. - Develop application and evaluation skills with hundreds of engaging activities and examination-style questions throughout. - Deepen understanding through systematic syllabus coverage and a spiral structure revisiting material in a structured way. - Navigate the syllabuses confidently with subject outlines clearly defined at the start of each chapter and syllabus-matching section headings. - Check understanding with revision checklists enabling reflection, and suggested further practice. - Reinforce learning with selected answers and additional multiple-choice questions as well as a glossary of key terms online. Available in this series: Student Textbook Fifth edition (ISBN 9781510421233) Student eTextbook (ISBN 9781510420106) Whiteboard eTextbook (ISBN 9781510420113) Workbook (ISBN 9781510421257) Online Teacher's Guide (ISBN 9781510424128) Study and Revision Guide (ISBN 9781510421264) **WJEC GCSE Chemistry Hachette UK** Exam Board: WJEC Level: GCSE Subject: Chemistry First Teaching: September 2016 First Exam: June 2018 Welsh edition. Expand and challenge your students' knowledge and understanding of Chemistry with this textbook that guides students through each topic within the new curriculum; produced by a trusted author team and the established WJEC GCSE Science publisher. - Test understanding and reinforce learning with differentiated Test Yourself questions, Discussion points, exam-style questions and useful chapter summaries. - Provide support for all required practicals along with extra tasks for broader learning. - Support the mathematical and Working scientifically requirements of the new specification with opportunities to develop these skills throughout. - Supports the separate science Chemisrty and is also suitable to support the WJEC GCSE Science (Double Award) qualification. **Cambridge IGCSE English Student's Book, 3rd Edition Collins** Exam Board: Cambridge International Examinations Collins is working with Cambridge International Examinations towards endorsement of this title. \* Revised and updated to support the 2020 syllabus and examination formats. \* Show students how to progress with a clear Student Book structure that moves from building key reading, writing and technical skills to applying these skills to specific question types and coursework tasks. \* Help students to make progress with regular 'Check your progress' checklists and annotated sample answers to exemplify how to do well. \* Prepare students for examination success with sample questions at the end of each chapter and two complete practice papers at the end of the book. Detailed guidance and annotated sample answers in the Teacher Guide help you and your classes to make the most of the practice examination papers in the Student Book. \* Build confidence in speaking and listening with clear guidance, activities and exemplification of the presentation and discussion tasks. \* Save time on planning and preparation with expert support from Julia Burchell, an experienced examiner and trainer **IGCSE Information and Communication Technology** Please note this title is still being made available for students sitting their examinations in 2015. Our second edition supports the updated syllabus for first examination 2016. Textbook and free CD-ROM, endorsed by Cambridge International Examinations for the IGCSE syllabus in Information and Communication Technology (0417) for final examination 2015. - Written by experienced examiners and teachers, who bring a wealth of theoretical knowledge and practical experience to both the book and the CD - Ensures that students are fully prepared for both the written theory paper as well as the two practical papers. - Each Section of the syllabus is fully covered in the text book, with clear explanations and plenty of tasks and activities. - The CD contains source files for the tasks and activities, as well as examination-style questions (with model answers) and a glossary. **Biology 2e The National Curriculum in England - Handbook for Primary Teachers** Get ready for the biggest curriculum change in more than a decade! To help teachers to deliver the new Curriculum, Scholastic has published the first complete printed version for Key Stages 1 and 2. Full

programmes of study for all 11 primary subjects are included along with practical advice on how to implement the curriculum using Scholastic's time-saving resources - including the 1 million best-selling 100s series. **Astronomy** 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 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