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5BE - BELTRAN ZIMMERMAN

Barron's SAT Subject Test: Chemistry with 7 Practice Tests features in-depth review of all topics on the exam and full-length practice tests in the book and online. This edition includes: One full-length diagnostic test to help you assess your strengths and weaknesses Comprehensive review of all topics on the exam, including: introductory chemistry, atomic structure and the periodic table; bonding; chemical formulas; gases and laws; stoichiometry; liquids, solids, and phase changes; chemical reactions and thermochemistry; chemical reactions; chemical equilibrium; acids, bases, and

salts; oxidation-reduction; carbon and organic chemistry; and the laboratory. Four full-length practice tests that reflect the actual SAT Subject Test: Chemistry exam in length, question types, and degree of difficulty Two full-length online practice tests with answer explanations and automated scoring Appendices, which include the periodic table; important equation, constant, and data tables; and a glossary of chemistry terms

In Cathedrals of Science, Patrick Coffey describes how chemistry got its modern footing-how thirteen brilliant men and one woman struggled with the laws of the universe and with each other. They wanted to

discover how the world worked, but they also wanted credit for making those discoveries, and their personalities often affected how that credit was assigned. Gilbert Lewis, for example, could be reclusive and resentful, and his enmity with Walther Nernst may have cost him the Nobel Prize; Irving Langmuir, gregarious and charming, "rediscovered" Lewis's theory of the chemical bond and received much of the credit for it. Langmuir's personality smoothed his path to the Nobel Prize over Lewis. Coffey deals with moral and societal issues as well. These same scientists were the first to be seen by their countries as military assets. Fritz Haber, dubbed the "father of

chemical warfare," pioneered the use of poison gas in World War I-vividly described-and Glenn Seaborg and Harold Urey were leaders in World War II's Manhattan Project; Urey and Linus Pauling worked for nuclear disarmament after the war. Science was not always fair, and many were excluded. The Nazis pushed Jewish scientists like Haber from their posts in the 1930s. Anti-Semitism was also a force in American chemistry, and few women were allowed in; Pauling, for example, used his influence to cut off the funding and block the publications of his rival, Dorothy Wrinch. *Cathedrals of Science* paints a colorful portrait of the building of modern chemistry from the late 19th to the mid-20th century.

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.

This textbook is intended for a one-semester course in corrosion science at the graduate or advanced undergraduate level. The approach is that of a physical

chemist or materials scientist, and the text is geared toward students of chemistry, materials science, and engineering. This textbook should also be useful to practicing corrosion engineers or materials engineers who wish to enhance their understanding of the fundamental principles of corrosion science. It is assumed that the student or reader does not have a background in electrochemistry. However, the student or reader should have taken at least an undergraduate course in materials science or physical chemistry. More material is presented in the textbook than can be covered in a one-semester course, so the book is intended for both the classroom and as a source book for further use. This book grew out of classroom lectures which the author presented between 1982 and the present while a professorial lecturer at George Washington University, Washington, DC, where he organized and taught a graduate course on "Environmental Effects on Materials." Additional material has been provided by over 30 years of experience in corrosion research, largely at the Naval Research Laboratory, Washington, DC and also at the Bethlehem Steel Company, Bethlehem, PA and as a

Robert A. Welch Postdoctoral Fellow at the University of Texas. The text emphasizes basic principles of corrosion science which underpin extensions to practice.

Of Some Trigonometric Relations -- Vector Algebra.

This book had its nucleus in some lectures given by one of us (J. O'M. B.) in a course on electrochemistry to students of energy conversion at the University of Pennsylvania. It was there that he met a number of people trained in chemistry, physics, biology, metallurgy, and materials science, all of whom wanted to know something about electrochemistry. The concept of writing a book about electrochemistry which could be understood by people with very varied backgrounds was thereby engendered. The lectures were recorded and written up by Dr. Klaus Muller as a 293-page manuscript. At a later stage, A. K. N. R. joined the effort; it was decided to make a fresh start and to write a much more comprehensive text. Of methods for direct energy conversion, the electrochemical one is the most advanced and seems the most likely to become of considerable practical importance. Thus, conversion to electrochemically powered transportation sys-

tems appears to be an important step by means of which the difficulties of air pollution and the effects of an increasing concentration in the atmosphere of carbon dioxide may be met. Corrosion is recognized as having an electrochemical basis. The synthesis of nylon now contains an important electrochemical stage. Some central biological mechanisms have been shown to take place by means of electrochemical reactions. A number of American organizations have recently recommended greatly increased activity in training and research in electrochemistry at universities in the United States.

Environmental Chemistry in the Lab presents a comprehensive approach to modern environmental chemistry laboratory instruction, together with a complete experimental experience. The laboratory experiments have an introduction for the students to read, a pre-lab for them to complete before coming to the lab, a data sheet to complete during the lab, and a post-lab which would give them an opportunity to reinforce their understanding of the experiment completed. Instructor resources include a list of all equipment and

supplies needed for 24 students, a lab preparation guide, an answer key to all pre-lab and post-lab questions, sample data for remote learners, and a suggested rubric for grading the labs. Additional features include:

- Tested laboratory exercises with instructor resources for environmental science students
- Environmental calculations, industrial regulation, and environmental stewardship
- Classroom and remote exercises
- An excellent, user-friendly, and thought-provoking presentation which will appeal to students with little or no science background
- A qualitative approach to the chemistry behind many of our environmental issues today

Engineers rely on Groover because of the book's quantitative and engineering-oriented approach that provides more equations and numerical problem exercises. The fourth edition introduces more modern topics, including new materials, processes and systems. End of chapter problems are also thoroughly revised to make the material more relevant. Several figures have been enhanced to significantly improve the quality of artwork. All of these changes will help engineers better understand the topic and how to apply it in the field.

Nanomaterials in Rocket Propulsion Systems covers the fundamentals of nanomaterials and examines a wide range of innovative applications, presenting the current state-of-the-art in the field. Opening with a chapter on nano-sized energetic materials, the book examines metal nanoparticles-based fuels, ballistic modifiers, stabilizers and catalysts as the components of rocket propellants. Hydrogen storage materials for rocket propulsion based on nanotubes are then discussed, as are nanoporous materials and metal organic frameworks, nano-gelled propellants, nano-composite ablators and ceramic nano-composites. Other applications examined include high thermal conductivity metallic nano-composite nozzle liners, nano-emitters for Coulomb propulsion of spacecrafts, and highly thermostable nanoceramics for rocket motors. The book finishes with coverage of combustion of nano-sized rocket fuels, nano-particles and their combustion in micro- and nano-electromechanical systems (MEMS/NEMS), plasma propulsion and nano-scale physics. Users will find this to be a valuable resource for academic and government institutions, professionals, new researchers and graduate

students working in the application of nanomaterials in the aerospace industry. Provides a detailed overview of different types of nanomaterials used in rocket propulsion, highlighting different situations in which different materials are used. Demonstrates the use of new nanomaterial concepts, allowing for an increase in payload capacity or a decrease in launch mass. Explores a range of applications using metal nanopowders, presenting a panorama on cutting-edge, technological developments.

Up-to-date, easy-to-follow coverage of electricity and electronics. In *Teach Yourself Electricity and Electronics, Fifth Edition*, a master teacher provides step-by-step lessons in electricity and electronics fundamentals and applications. Detailed illustrations, practical examples, and hundreds of test questions make it easy to learn the material quickly. This fully revised resource starts with the basics and takes you through advanced applications, such as communications systems and robotics. Solve current-voltage-resistance-impedance problems, make power calculations, optimize system performance, and pre-

pare for licensing exams with help from this hands-on guide. Updated for the latest technological trends: Wireless Systems, Fiber Optics, Lasers, Space Communications, Mechatronics. Comprehensive coverage includes: Direct-Current Circuit Basics and Analysis * Resistors * Cells and Batteries * Magnetism * Inductance * Capacitance * Phase * Inductive and Capacitive Reactance * Impedance and Admittance * Alternating-Current Circuit Analysis, Power, and Resonance * Transformers and Impedance Matching * Semiconductors * Diode Applications * Power Supplies * Bipolar and Field-Effect Transistors * Amplifiers and Oscillators * Digital and Computer Basics * Antennas for RF Communications * Integrated Circuits * Electron Tubes * Transducers, Sensors, Location, and Navigation * Acoustics and Audio Fundamentals * Advanced Communications Systems. Make Great Stuff! TAB, an imprint of McGraw-Hill Professional, is a leading publisher of DIY technology books for makers, hackers, and electronics hobbyists.

- Fully solved 10 Sample Question Papers (Paper - 1 & Paper -2) as per the latest pattern of 2022 for PCM Hints & Shortcuts given for tricky questions
- Mind Map: A sin-

- gle page snapshot of the entire chapter for longer retention
- Mnemonics to boost memory and confidence
- Oswaal QR Codes: Easy to scan QR codes for online content
- Subject-wise (Physics, Chemistry & Mathematics) Appendix
- Tips to crack JEE Advanced
- Last 5 years Chapter-wise Trend Analysis
- Latest solved paper of 2021

Develop and assess your students' knowledge and skills throughout A level with worked examples, practical assessment guidance and differentiated end of topic questions in this updated, all-in-one textbook for Years 1 and 2. Combining everything your students need to know for the Pearson Edexcel A level Chemistry specification, this revised textbook will:

- Identify the level of your students' understanding with diagnostic questions and a summary of prior knowledge at the start of the Student Book.
- Provide support for all 16 required practicals with various activities and questions, along with a 'Practical' chapter covering procedural understanding and key ideas related to measurement.
- Improve mathematical skills with plenty of worked examples, including notes on methods to help explain the strategies for solving each type of problem.
- Offer plen-

ty of practice with 'Test yourself' questions to help students assess their understanding and measure progress. - Encourage further reading and study with short passages of extension material. - Develop understanding with free online access to 'Test yourself' answers and an extended glossary.

Presents an introduction to modern NMR methods at a level suited to organic and inorganic chemists engaged in the solution of structural and mechanistic problems. The book assumes familiarity only with the simple use of proton and carbon spectra as sources of structural information and describes the advantages of pulse and Fourier transform spectroscopy which form the basis of all modern NMR experiments. Discussion of key experiments is illustrated by numerous examples of the solutions to real problems. The emphasis throughout is on the practical side of NMR and the book will be of great use to chemists engaged in both academic and industrial research who wish to realise the full possibilities of the new wave NMR.

A PROVEN formula for mastering CHEMISTRY Trying to understand chemistry but

feel like the information's just not bonding with your brain? Here's your solution. Chemistry Demystified, Second Edition, helps you grasp both fundamental and complex concepts with ease. Written in a step-by-step format, this practical guide first covers atomic theory, elements, symbols, and the Periodic Table of the Elements. The book then delves into solids, liquids, gases, solutions, orbitals, chemical bonds, acids, and bases. Electrochemistry, thermodynamics, biochemistry, and organic, environmental, and nuclear chemistry are discussed. In-depth examples, detailed illustrations, and worked-out problems make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce learning. It's a no-brainer! You'll learn about: Molecular and structural formulas Metallurgy Gas laws Molar mass Molecular orbital theory Covalent and ionic bonds Oxidation/reduction The laws of thermodynamics Organic reactions Biological and environmental markers Simple enough for a beginner, but challenging enough for an advanced student, Chemistry Demystified, Second Edition, helps you master this fascinating subject. Latest NEET Question Paper 2022- Fully

solved Chapter-wise & Topic-wise Previous Questions to enable quick revision Previous Years' (1988-2022) Exam Questions to facilitate focused study Mind Map: A single page snapshot of the entire chapter for longer retention Mnemonics to boost memory and confidence Revision Notes: Concept based study material Oswaal QR Codes: Easy to scan QR codes for online content Analytical Report: Unit-wise questions distribution in each subject Two SQPs based on the latest pattern Tips to crack NEET Top 50 Medical Institutes Ranks Trend Analysis: Chapter-wise

With demand for petroleum products increasing worldwide, there is a tendency for existing refineries to seek new approaches to optimize efficiency and throughput. In addition, changes in product specifications due to environmental regulations greatly influence the development of petroleum refining technologies. These factors underlie the need for t The working title of the book was The Detection of Analytes by the Resin Spot Tests Method. Firstly, we decided to sort out all published qualitative methods systematically against analytes. We were not dis-

couraged by the obstacles, such as the study of a great number of papers published in Japanese, the difficulty in locating (especially older) publications, or the time required. Still, having in mind not to burden unnecessarily the volume of the book, we dismissed the idea of systematically listing all the procedures in detail. Nevertheless, a relatively large number of them found a place in the book, and perhaps this will contribute to the stirring of spontaneous interest in this technique in the ranks of applied chemists and others who a priori shun the technique.

#1 NEW YORK TIMES, WALL STREET JOURNAL, AND BOSTON GLOBE BESTSELLER • One of the most acclaimed books of our time: an unforgettable memoir about a young woman who, kept out of school, leaves her survivalist family and goes on to earn a PhD from Cambridge University “Extraordinary . . . an act of courage and self-invention.”—The New York Times NAMED ONE OF THE TEN BEST BOOKS OF THE YEAR BY THE NEW YORK TIMES BOOK REVIEW • ONE OF PRESIDENT BARACK OBAMA’S FAVORITE BOOKS OF THE YEAR • BILL GATES’S HOLIDAY READING LIST • FINALIST: National Book Critics Circle’s

Award In Autobiography and John Leonard Prize For Best First Book • PEN/Jean Stein Book Award • Los Angeles Times Book Prize Born to survivalists in the mountains of Idaho, Tara Westover was seventeen the first time she set foot in a classroom. Her family was so isolated from mainstream society that there was no one to ensure the children received an education, and no one to intervene when one of Tara’s older brothers became violent. When another brother got himself into college, Tara decided to try a new kind of life. Her quest for knowledge transformed her, taking her over oceans and across continents, to Harvard and to Cambridge University. Only then would she wonder if she’d traveled too far, if there was still a way home. “Beautiful and propulsive . . . Despite the singularity of [Westover’s] childhood, the questions her book poses are universal: How much of ourselves should we give to those we love? And how much must we betray them to grow up?”—Vogue NAMED ONE OF THE BEST BOOKS OF THE YEAR BY The Washington Post • O: The Oprah Magazine • Time • NPR • Good Morning America • San Francisco Chronicle • The Guardian • The

Economist • Financial Times • Newsday • New York Post • theSkimm • Refinery29 • Bloomberg • Self • Real Simple • Town & Country • Bustle • Paste • Publishers Weekly • Library Journal • LibraryReads • Book Riot • Pamela Paul, KQED • New York Public Library

Oswaal NTA CUET (UG) Sample Paper, General Test +Question Banks Quantitative Aptitude, General Awareness & Logical Reasoning Book 2022 are Strictly as per the latest Syllabus and pattern of NTA CUET (UG) - 2022 based on MCQs The NTA CUET (UG) Sample Paper, General Test +Question Banks Quantitative Aptitude, General Awareness & Logical Reasoning | Entrance Exam Preparation Book 2022 Chapter wise introduction to enable quick revision and systematic flow of concepts in Revision Notes on all subjects It comprises Latest 2021 solved Paper (3 Subjects) Quantitative Aptitude, General Awareness & Logical Reasoning Tips to crack the NTA CUET Exam 2022 in the first Attempt The NTA CUET (UG) Sample Paper, General Test +Question Banks Quantitative Aptitude, General Awareness & Logical Reasoning | Entrance Exam Preparation Book 2022 in-

cludes Valuable insights – tips, tricks and short Cuts Mind Maps to provoke new ideas The NTA CUET (UG) Sample Paper, General Test +Question Banks Quantitative Aptitude, General Awareness & Logical Reasoning | Entrance Exam Preparation Book 2022 helps to Boost Memory skills with Mnemonics QR codes for Digital Learning Experience

Featuring new experiments unique to this lab textbook, as well as new and revised essays and updated techniques, this Sixth Edition provides the up-to-date coverage students need to succeed in their coursework and future careers. From biofuels, green chemistry, and nanotechnology, the book's experiments, designed to utilize microscale glassware and equipment, demonstrate the relationship between organic chemistry and everyday life, with project-and biological or health science focused experiments. As they move through the book, students will experience traditional organic reactions and syntheses, the isolation of natural products, and molecular modeling. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Offers a vivid and entertaining history of the evolution of forensic science and its use in the criminal justice system

Research in the pharmaceutical industry today is in many respects quite different from what it used to be only fifteen years ago. There have been dramatic changes in approaches for identifying new chemical entities with a desired biological activity. While chemical modification of existing leads was the most important approach in the 1970s and 1980s, high-throughput screening and structure-based design are now major players among a multitude of methods used in drug discovery. Quite often, companies favor one of these relatively new approaches over the other, e.g., screening over rational design, or vice versa, but we believe that an intelligent and concerted use of several or all methods currently available to drug discovery will be more successful in the medium term. What has changed most significantly in the past few years is the time available for identifying new chemical entities. Because of the high costs of drug discovery projects, pressure for maximum success in the shortest possible time is higher than

ever. In addition, the multidisciplinary character of the field is much more pronounced today than it used to be. As a consequence, researchers and project managers in the pharmaceutical industry should have a solid knowledge of the more important methods available to drug discovery, because it is the rapidly and intelligently combined use of these which will determine the success or failure of preclinical projects.

Surpassing its bestselling predecessors, this thoroughly updated third edition is designed to be a powerful training tool for entry-level chemistry technicians. Analytical Chemistry for Technicians, Third Edition explains analytical chemistry and instrumental analysis principles and how to apply them in the real world. A unique feature of this edition is that it brings the workplace of the chemical technician into the classroom. With over 50 workplace scene sidebars, it offers stories and photographs of technicians and chemists working with the equipment or performing the techniques discussed in the text. It includes a supplemental CD that enhances training activities. The author incorporates knowledge gained from a number of American Chemi-

cal Society and PITTCON short courses and from personal visits to several laboratories at major chemical plants, where he determined firsthand what is important in the modern analytical laboratory. The book includes more than sixty experiments specifically relevant to the laboratory technician, along with a Questions and Problems section in each chapter. Analytical Chemistry for Technicians, Third Edition continues to offer the nuts and bolts of analytical chemistry while focusing on the practical aspects of training.

Master the SAT II Biology E/M Subject Test and score higher... Our test experts show you the right way to prepare for this important college exam. REA's SAT II Biology E/M test prep covers all biology topics to appear on the actual exam including in-depth coverage of cell processes, genetics, fungi, plants, animals, human biological functions, and more. The book features 6 full-length practice SAT II Biology E/M exams. Each practice exam question is fully explained to help you better understand the subject material. Use the book's glossary for speedy look-ups and smarter searches. Follow up your study with REA's proven test-taking strategies, powerhouse

drills and study schedule that get you ready for test day. DETAILS - Comprehensive review of every biology topic to appear on the SAT II subject test - Flexible study schedule tailored to your needs - Packed with proven test tips, strategies and advice to help you master the test - 6 full-length practice SAT II Biology E/M Subject tests. Each test question is answered in complete detail with easy-to-follow, easy-to-grasp explanations. - The book's glossary allows for quicker, smarter searches of the information you need most
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CHAPTER 17 - BEHAVIOR Behavior of Animals Learned Behavior Innate Behavior Voluntary Behavior Plant Behavior Behavior of Protozoa Behavior of Other Organisms Drugs and Human Behavior
CHAPTER 18 - PATTERNS OF ECOLOGY Ecology Populations Life History Characteristics Population Structure Population Dynamics Communities Components of Communities Interactions within Communities Consequences of Interactions Ecosystems Definitions Energy Flow Through Ecosystems Biogeochemical Cycles Hydrological Cycle Nitrogen Cycle Carbon Cycle Phosphorus Cycle Types of Ecosystems Human Influences on Ecosystems Use of Non-renewable Resources Use of Renewable Resources Use of Synthetic Chemicals Suggested Readings PRACTICE TESTS Biology-E Practice Tests SAT II: Biology E/M Practice Test 1 SAT II: Biology E/M Practice Test 2 SAT II: Biology E/M Practice Test 3

Biology-M Practice Tests SAT II: Biology E/M Practice Test 4 SAT II: Biology E/M Practice Test 5 SAT II: Biology E/M Practice Test 6 ANSWER SHEETS EXCERPT About Research & Education Association Research & Education Association (REA) is an organization of educators, scientists, and engineers specializing in various academic fields. Founded in 1959 with the purpose of disseminating the most recently developed scientific information to groups in industry, government, high schools, and universities, REA has since become a successful and highly respected publisher of study aids, test preps, handbooks, and reference works. REA's Test Preparation series includes study guides for all academic levels in almost all disciplines. Research & Education Association publishes test preps for students who have not yet completed high school, as well as high school students preparing to enter college. Students from countries around the world seeking to attend college in the United States will find the assistance they need in REA's publications. For college students seeking advanced degrees, REA publishes test preps for many major graduate school admission examinations in a wide variety of discip-

lines, including engineering, law, and medicine. Students at every level, in every field, with every ambition can find what they are looking for among REA's publications. While most test preparation books present practice tests that bear little resemblance to the actual exams, REA's series presents tests that accurately depict the official exams in both degree of difficulty and types of questions. REA's practice tests are always based upon the most recently administered exams, and include every type of question that can be expected on the actual exams. REA's publications and educational materials are highly regarded and continually receive an unprecedented amount of praise from professionals, instructors, librarians, parents, and students. Our authors are as diverse as the fields represented

In addition to covering thoroughly the core areas of physical organic chemistry -structure and mechanism - this book will escort the practitioner of organic chemistry into a field that has been thoroughly updated.

Latest JEE (Main) Two Question Paper 2022- Fully solved Previous Years' (2019-2022) Exam Questions to facilitate

focused study Mind Map: A single page snapshot of the entire chapter for longer retention Mnemonics to boost memory and confidence 15 Sample Question Papers based on the latest pattern with detailed explanations Oswaal QR Codes: Easy to scan QR codes for online content Subject-wise - Appendix available in QR format. Tips to crack JEE (Main) Trend Analysis: Chapter-wise

Maintenance of the information embedded in the genomic DNA sequence is essential for life. DNA polymerases play pivotal roles in the complex processes that maintain genetic integrity. Besides their tasks in vivo, DNA polymerases are the workhorses in numerous biotechnology applications such as the polymerase chain reaction (PCR), cDNA cloning, next generation sequencing, nucleic acids based diagnostics and in techniques to analyze ancient and otherwise damaged DNA (e.g. for forensic applications). Moreover, some diseases are related to DNA polymerase defects and chemotherapy through inhibition of DNA polymerases is used to fight HIV, Herpes and Hepatitis B and C infections. This book focuses on (i) biology of DNA polymerases, (ii) medical aspects of DNA polymerases

and (iii) biotechnological applications of DNA polymerases. It is intended for a wide audience from basic scientists, to diagnostic laboratories, to companies and to clinicians, who seek a better understanding and the practical use of these fascinating enzymes. Contents: Preface About the Authors History of DNA Polymerases DNA Polymerases: General Aspects Human DNA Polymerases: From Structure to Function Human DNA Polymerases in Different DNA Transactions DNA Polymerases and Human Diseases Human DNA Polymerases and Chemotherapy Polymerases Chain Reaction and Heat-Stable DNA Polymerases: The History and the Potential of Evolved DNA Polymerases Synthetic Evolution of DNA Polymerases for Novel Properties Market for Evolved DNA Polymerases in Routine and Medical Applications Readership: Academic and industry research scientists, from PhD students to senior professors, as well as R&D specialists and marketing experts working in biotech and pharmaceutical companies. Keywords: DNA Polymerase; D-

NA Replication; DNA Repair; DNA Recombination, PCR; Cancer; Neurological Diseases; Medicine; Biology; Chemotherapy; Structural Biology; Enzymology; Biotechnology Review: Key Features: The only book to merge basic science, biotechnological applications and marketing opportunities of DNA polymerases The most extensive literature coverage of the field, with more than 1,000 cited references and updated with the most recent contributions received by scientists all over the world Written by four leading experts in DNA polymerases, it gives the most complete overview of the field from its historical origins to the latest developments

With *The Modern Myths*, brilliant science communicator Philip Ball spins a new yarn. From novels and comic books to B-movies, it is an epic exploration of literature, new media and technology, the nature of storytelling, and the making and meaning of our most important tales. Myths are usually seen as stories from the depths of time—fun and fantastical, but no longer believed by anyone. Yet, as Philip Ball shows,

we are still writing them—and still living them—today. From Robinson Crusoe and Frankenstein to Batman, many stories written in the past few centuries are commonly, perhaps glibly, called “modern myths.” But Ball argues that we should take that idea seriously. Our stories of Dracula, Dr. Jekyll and Mr. Hyde, and Sherlock Holmes are doing the kind of cultural work that the ancient myths once did. Through the medium of narratives that all of us know in their basic outline and which have no clear moral or resolution, these modern myths explore some of our deepest fears, dreams, and anxieties. We keep returning to these tales, reinventing them endlessly for new uses. But what are they really about, and why do we need them? What myths are still taking shape today? And what makes a story become a modern myth? In *The Modern Myths*, Ball takes us on a wide-ranging tour of our collective imagination, asking what some of its most popular stories reveal about the nature of being human in the modern age.