

Basic Physics A Self Teaching Guide Karl F Kuhn

Basic Electricity Second Edition A Self-Teaching Guide Ever Wonder.. What makes a light bulb work? What overloads a fuse? Why your car needs a battery and an alternator? We all use electricity in our daily lives, yet most of us don't know what it is or how it works. With Basic Electricity, Second Edition, you can teach yourself all about electricity—for everyday understanding or as a basis for further study. This easy-to-use guide takes you through the basics of electricity and familiarizes you with the workings of voltage, current, resistance, power, and other circuit values in direct-current and alternating-current electricity. The Second Edition has been extensively updated to include the latest in electrical technology. Through step-by-step problem-solving, you'll gain a true understanding of the basic rules, laws, concepts and equations of electric circuits. Best of all, you'll understand and appreciate the nature of electricity without ever having to determine its "invisible" identity. Self-tests at the end of each chapter have been fully revised and a brand-new end-of-course exam is included so you can test your overall comprehension of basic electricity. For further study, the Second Edition's cross-referenced list of standard texts on electricity has also been updated.

Learn electricity at your own pace What makes a light bulb work? What overloads a fuse? How does a magnetic field differ from an electrical field? With Electricity: A Self-Teaching Guide, you'll discover the answers to these questions and many more about this powerful, versatile force that everyone uses, yet most of us don't understand. Ralph Morrison demystifies electricity, taking you through the basics step by step. Significantly updated to cover the latest in electrical technology, this easy-to-use guide makes familiar the workings of voltage, current, resistance, power, and other circuit values. You'll discover where electricity comes from, how electric fields cause current to flow, how we harness its tremendous power, and how best to avoid the various pitfalls in many practical applications when the time comes for you to put your knowledge to work. The clearly structured format of Electricity makes it fully accessible, providing an easily understood, comprehensive overview for everyone from the student to the engineer to the hobbyist. Like all Self-Teaching Guides, Electricity allows you to build gradually on what you have learned-at your own pace. Questions and self-tests reinforce the information in each chapter and allow you to skip ahead or focus on specific areas of concern. Packed with useful, up-to-date information, this clear, concise volume is a valuable learning tool and reference source for anyone who wants to improve his or her understanding of basic electricity.

An excellent introduction to the basics of physics from antiquity to the modern era, including motion, work, energy, heat, matter, light, electricity, quantum & nuclear physics. * A complete course, from cells to the circulatory system * Hundreds of questions and many review tests * Key concepts and terms defined and explained Master key concepts. Answer challenging questions. Prepare forexams. Learn at your own pace. Are viruses living? How does photosynthesis occur? Is cloning a form of sexual or asexual reproduction? What is Anton vanLeeuwenhoek known for? With Biology: A Self-Teaching Guide, Second Edition, you'll discover the answers to these questions and many more. Steven Garber explains all the major biological concepts and terms in this newly revised edition, including the origin of life, evolution, cell biology, reproduction, physiology, and botany. The step-by-step, clearly structured format of Biology makes it fully accessible to all levels of students, providing an easily understood, comprehensive treatment of all aspects of life science. Like all Self-Teaching Guides, Biology allows you to build gradually on what you have learned-at your own pace. Questions and self-tests reinforce the information in each chapter and allow you to skip ahead or focus on specific areas of concern. Packed with useful, up-to-date information, this clear, concise volume is a valuable learning tool and reference source for anyone who needs to master the science of life.

Introduction To Physic And Simple Physical Theories To Broaden Knowledge: Self-Teaching Guide

Physics Made Simple

The Physics Book

Understand Physics: Teach Yourself

The Basics of Chemistry

Your English teacher wasn't kidding. Nothing says more about you than your command of language. Here is a quick and easy way to brush up on the intricate system of grammar that powers the English language. The updated and expanded edition of this proven guide is a painless way to master parts of speech, syntax, and all the rules of good usage. Best of all, the self-teaching format enables you to learn at your own pace, when it is convenient for you. Now you can learn to write and speak Standard American English effectively. The task is easier if you have a solid understanding of how and why grammar "works" than if you try to memorize lists of rules. That's why author Patricia Osborn emphasizes grammar in action, taking the rules out of the classroom and into everyday language. She explains the functions performed by the various parts of speech and provides a new glossary of frequently misused word pairs. You'll discover: * How grammar works to make communication clear and effective * Techniques for improving your writing skills * Simple ways to remember the rules and use them in everyday language * The "magic" of word order in an English sentence. Were you daydreaming in your English class? No one will ever have to know. This self-teaching guide takes all the confusion and mystery out of grammar. You'll learn to speak and write with assurance, which is the first step in building confidence in yourself, in your personal life, and in your career.

Chemistry? No problem! This Big Fat Notebook covers everything you need to know during a year of high school chemistry class, breaking down one big bad subject into accessible units. Learn to study better and get better grades using mnemonic devices, definitions, diagrams, educational doodles, and quizzes to recap it all. Including: Atoms, elements, compounds and mixtures The periodic table Quantum theory Bonding The mole Chemical reactions and calculations Gas laws Solubility pH scale Titrations Le Chatelier's principle ...and much more!

YOU DON'T HAVE TO BE A ROCKET SCIENTIST TO UNDERSTAND PHYSICS Now anyone with an interest in the physical sciences can master physics -- without formal training or drowning in a sea of complicated formulas and equations. In Physics Demystified best-selling author Stan Gibilisco offers a fun, effective, and totally painless way to learn the fundamentals and general concepts of physics. With Physics Demystified you master the subject one simple step at a time -- at your own speed. Unlike most books on physics, general principles are presented first -- and the details follow. In order to make the learning process as clear and simple as possible, heavy-duty math, formulas, and equations are kept to a minimum. This unique self-teaching guide offers questions at the end of each chapter and section to pinpoint weaknesses, and a 100-question final exam to reinforce the entire book. Simple enough for a beginner but challenging enough for an advanced student, Physics Demystified is your direct route to learning or brushing up on physics. HERE'S EVERYTHING YOU NEED TO: * Understand the math used in physical science * Solve mass/force/acceleration problems * Create mathematical models of physical phenomena * Perform distance vs. time calculations * Determine potential and kinetic energy * Calculate the wavelength of sounds and radio signals * Understand visible light interference patterns * Calculate the energy and frequency of a moving particle * Understand atomic structure * Learn about electric current, voltage, resistance, power, and energy

Whether you want to learn more about algebra, refresh your skills, or improve your classroom performance, Algebra Demystified is the perfect shortcut. Knowing algebra gives you a better choice of jobs, helps you perform better in science, computing, and math courses, ups your score on competitive exams, and improves your ability to do daily computations. And there's no faster or more painless way to master the subject than Algebra Demystified! Entertaining author and experienced teacher Rhonda Huettenmueller provides all the math background you need and uses practical examples, real data, and a totally different approach to life the "myst" from algebra. With Algebra Demystified, you master algebra one simple step at a time--at your own speed. Unlike most books on the subject, general concepts are presented first --and the details follow. In order to make the process as clear and simple as possible, long computations are presented in a logical, layered progression with just one execution per step. THIS ONE-OF-A-KIND SELF-TEACHING TEXT OFFERS: Questions at the end of every chapter and section to reinforce learning and pinpoint weaknesses A 100-questions final exam for self-assessment An intensive focus on word problems and fractions--help where it's most often needed Detailed examples and solutions

Big Ideas Simply Explained

Must Know High School Physics

Psychology

The Basics of Physics

Chemistry

When strange animals land in Red's yard, he and his friend Slim agree to keep it to themselves. The creatures are unlike any that they've ever seen before, and are - to them - animals that would make a fortune putting on a show at the circus. All the while, their fathers are fretting over the arrival of interstellar diplomats, on whose trade their civilisation may have to rely on to survive. Despite the urgency of the mission, however, neither hide nor hair of them have been seen...

The fastest, easiest way to master precalculus . . . by doing it! Do logarithmic functions throw you for a loop? Does the challenge of finding an inverse function leave you overwhelmed?

Does the Law of Cosines make you feel clueless? With this helpful, easy-to-follow guide, you will gain total command of these precalc concepts-and many more-in no time at all. Precalculus:

A Self-Teaching Guide includes an algebra review and complete coverage of exponential functions, log functions, and trigonometry. Whether you are studying precalculus for the first time, want to refresh your memory, or need a little help for a course, this clear, interactive primer will provide you with the skills you need. Precalculus offers a proven self-teaching approach that lets you work at your own pace-and the frequent self-tests and exercises reinforce what you've learned. Turn to this one-of-a-kind teaching tool and, before you know it, you'll be solving problems like a mathematician!

Understand Physics gives you a solid understanding of the key skills and ideas that run through the subject. You will explore the important concepts of force and motion, electricity, light, molecules, matter and space and discover the frontiers of physics. With numerous questions, answers and worked examples throughout, you will feel confident in approaching the science and applying your knowledge. NOT GOT MUCH TIME? One, five and ten-minute introductions to key principles to get you started. AUTHOR INSIGHTS Lots of instant help with common problems and quick tips for success, based on the author's many years of experience. TEST YOURSELF Tests in the book and online to keep track of your progress. EXTEND YOUR KNOWLEDGE Extra online articles at www.teachyourself.com to give you a richer understanding of physics. FIVE THINGS TO REMEMBER Quick refreshers to help you remember the key facts. TRY THIS Innovative exercises illustrate what you've learnt and how to use it.

Understand the rules that make the universe run. Understanding the laws of physics is essential for all scientific studies, but many students are intimidated by their complexities. This completely revised and updated book makes it easy to understand the most important principles. From the physics of the everyday world to the theory of relativity, PHYSICS MADE SIMPLE covers it all. Each chapter is introduced by anecdotes that directly apply the concepts to contemporary life and ends with practice problems—with complete solutions—to reinforce the concepts.

Humorous illustrations and stories complement the text, making it not only easy but fun to learn this important science. Topics covered include: *force *motion *energy *waves *electricity and magnetism *the atom *quantum physics *relativity *spectroscopy *particle physics Look for these Made Simple titles Accounting Made Simple Arithmetic Made Simple Astronomy Made Simple Biology Made Simple Bookkeeping Made Simple Business Letters Made Simple Chemistry Made Simple English Made Simple Earth Science Made Simple French Made Simple German Made Simple Ingles Hecho Facil Investing Made Simple Italian Made Simple Keyboarding Made Simple Latin Made Simple Learning English Made Simple Mathematics Made Simple The Perfect Business Plan Made Simple Philosophy Made Simple Psychology Made Simple Sign Language Made Simple Spelling Made Simple Statistics Made Simple Your Small Business Made Simple www.broadwaybooks.com

Algebra Demystified

Everything You Need to Ace Chemistry in One Big Fat Notebook

The Classic Point of View

A Novel of International Football, Fashion and the Test of Friendship

A Self-Teaching Guide

An all-in-one resource on everything electronics-related! For almost 30 years, this book has been a classic text forelectronics enthusiasts. Now completely updated for today's technology, this latest version combines concepts, self-tests, and hands-on projects to offer you a completely repackaged and revised resource. This unique self-teaching guide features easy-to-understand explanations that are presented in a user-friendly format to help you learn the essentials you need to work with electronic circuits. All you need is a general understanding of electronics concepts such as Ohm's law and current flow, and an acquaintance with first-year algebra. The question-and-answer format, illustrative experiments, and self-tests at the end of each chapter make it easy for you to learn at your own speed.

Boasts a companion website that includes more than twentyfull-color, step-by-step projects Shares hands-on practice opportunities and conceptual background information to enhance your learning process Targets electronics enthusiasts who already have a basic knowledge of electronics but are interested in learning more about this fascinating topic on their own Features projects that work with the multimeter, breadboard, function generator, oscilloscope, bandpass filter, transistor amplifier, oscillator, rectifier, and more You're sure to get a charge out of the vast coverage included in Complete Electronics Self-Teaching Guide with Projects!

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. A UNIQUE NEW APPROACH THAT'S LIKE A LIGHTNING BOLT TO THE BRAIN You know that moment when you feel as though a lightning bolt has hit you because you finally get something? That's how this book will make you react. (We hope!) Each chapter makes sure that what you really need to know is clear right off the bat and sees to it that you build on this knowledge. Where other books ask you to memorize stuff, we're going to show you the most know ideas that will guide you toward success in physics. You will start each chapter learning what the most know ideas behind a physics subject are, and these concepts will help you solve the physics problems that you find in your classwork and on exams. Dive into this book and find: • 250+ practice questions that mirror what you will find in your classwork and on exams • A bonus app with 100+ flashcards that will reinforce what you've learned • Extensive examples that drive home essential concepts • An easy-access setup that allows you to jump in and out of subjects • Physics topics aligned to national and state education standards • Special help for more challenging physics subjects, including electromagnetism, projectile motion, and energy transfer. We're confident that the most know ideas in this book will have you up and solving physics problems in no time—or at least in a reasonable amount of time!

Quick Calculus 2nd Edition A Self-Teaching Guide Calculus is essential for understanding subjects ranging from physics and chemistry to economics and ecology. Nevertheless, countless students and others who need quantitative skills limit their futures by avoiding this subject like the plague. Maybe that's why the first edition of this self-teaching guide sold over 250,000 copies. Quick Calculus, Second Edition continues to teach the elementary techniques of differential and integral calculus quickly and painlessly. Your "calculus anxiety" will rapidly disappear as you work at your own pace on a series of carefully selected work problems. Each correct answer to a work problem leads to new material, while an incorrect response is followed by additional explanations and reviews. This updated edition incorporates the use of calculators and features more applications and examples. "...makes it possible for a person to delve into the mystery of calculus without being mystified." --Physics Teacher

In lives filled with passion and temptation, five young people experience the many forms of love. Achieving their wildest dreams takes everything they have, and soon their romances, friendships, and dearest personal values are tested. Along the way, their lives intertwine in surprising ways--on the lush soccer fields of college campuses in California and the glamorous fashion runways and football pitches of Italy and France. The brilliant and beautiful Sallie is embarking on an exciting international modeling career, but, so far from home, she runs the risk of getting lost in more ways than one. Her college sweetheart, Marco, is focused on his goal of becoming a professional soccer player and relies on the expert advice of his mentor, Lorenzo. But Lorenzo must figure out his own way to stay on top. Meanwhile, their athletic friend Dave has already hit rock bottom, attracting the empathy of nursing student Autumn. She'll do anything she can to help Dave, despite the risk of getting dragged down with him. Boundaries exist in the game of soccer, but in life they are all too easily crossed. Before long these five friends will learn exactly how far relationships can bend before they break.

A Self-teaching Guide 2E with Thomas Edison Book of Easy and Incredible Experiments PB Set

A Complete Introduction to the Basic Principles of This Fundamental Science

Physics Demystified

Biology

Thijo - Saga of a Norseman

Explore the laws and theories of physics in this accessible introduction to the forces that shape our universe, our planet, and our everyday lives. Using a bold, graphics-led approach, The Physics Book sets out more than 80 of the key concepts and discoveries that have defined the subject and influenced our technology since the beginning of time. With the focus firmly on unpacking the thought behind each theory--as well as exploring when and how each idea and breakthrough came about--five themed chapters examine the history and developments in specific areas such as Light, Sound, and Electricity. Eureka moments abound: from Archimedes' bathtub discoveries about displacement and density, and Galileo's experiments with spheres falling from the Tower of Pisa, to Isaac Newton's apple and his conclusions about gravity and the laws of motion. You'll also learn about Albert Einstein's revelations about relativity; how the accidental discovery of cosmic microwave background radiation confirmed the Big Bang theory; the search for the Higgs boson particle; and why most of the universe is missing. If you've ever wondered exactly how physicists formulated--and proved--their abstract concepts, The Physics Book is the book for you. Series Overview: Big Ideas Simply Explained series uses creative design and innovative graphics along with straightforward and engaging writing to make complex subjects easier to understand. With over 7 million copies worldwide sold to date, these award-winning books provide just the information needed for students, families, or anyone interested in concise, thought-provoking refreshers on a single subject.

A basic introductory physics Self-Teaching Guide for liberal arts physics to compete with and compliment Hewitt, but with more end of chapter problems. Could be used as a programmed guide to a one-semester physics course or as a supplement to a full-year. Also for self-study.

When a little chick leaves the flock, he stumbles on to an adventure that will change him forever. This charming bilingual Spanish-English picture book is a cute read for little explorers.

Join Thijo, a young Scandinavian farm boy, on his childhood adventures as he meets new friends and challenges throughout daily Norwegian life. Through hard days of harvest labor and deadly winter blizzards, Thijo journeys from boyhood pleasures to learning what it means to take his place among the men of the North. Full of child-friendly adventure and excitement, Thijo - Saga of a Norseman is a book that you and your children will want to read again and again!

Physics: A complete Introduction

Electricity

Basic Electricity

Youth

How Grammar Works

A thorough grounding in contemporary physics while placing the subject into its social and historical context. Based largely on the highly respected Project Physics Course developed by two of the authors, it also integrates the results of recent pedagogical research. The text thus teaches the basic phenomena in the physical world and the concepts developed to explain them; shows that science is a rational human endeavour with a long and continuing tradition, involving many different cultures and people; develops facility in critical thinking, reasoned argumentation, evaluation of evidence, mathematical modelling, and ethical values. The treatment emphasises not only what we know but also how we know it, why we believe it, and what effects this knowledge has.

This book covers the basic concepts found in introductory high-school and college chemistry courses.

Many of the earliest books, particularly those dating back to the 1900s and before, are now extremely scarce and increasingly expensive. We are republishing many of these classic works in affordable, high quality, modern editions, using the original text and artwork.

A review of plane geometry, numerical trigonometry, geometric and trigonometric analysis, and limits emphasizes the graphic representation of problems to be solved by combined methods

Basic Physics

Chirp / Pollito

Geometry and Trigonometry for Calculus

Practical Algebra

All the Math You'll Ever Need

From the foundations of Newtonian physics to atomic and nuclear theories, this clearly explained text is a perfect guide for anyone who wants to be knowledgeable about standard college physics topics or needs a refresher. As it navigates through the material, it provides readers with the information necessary to define and understand physics concepts. Readers will also develop the ability to comprehend basic physical laws that govern our universe, as well as skills to apply the theoretical knowledge to solving conceptual and quantitative problems. This book was designed for those who want to develop a better understanding of our physical universe, as well as the relationships between different laws of physics. The content is focused on an essential review of all major physics theories, principles, and experimental approaches. You will learn about kinematics and dynamics, statics and equilibrium, foundations of gravity, energy, work, sound and light, electricity and magnetism, basic principles of atomic physics, as well as heat and thermodynamics. The book also describes all major topics covered in a standard college physics course and walks you through solving different types of problems. Created by highly qualified physics instructors with years of experience in applied physics, as well as in academic settings, this book educates and empowers readers, regardless of whether they took college physics or not, helping them develop and increase their understanding of how our universe works.

A sharp mind, like a healthy body, is subject to the same rule of nature: Use it or lose it. Need a calculator just to work out a 15 percent service charge? Not exactly sure how to get the calculator to give you the figure you need? Turn to this revised and updated edition of *All the Math You'll Ever Need*, the friendliest, funniest, and easiest workout program around. In no time, you'll have total command of all the powerful mathematical tools needed to make numbers work for you. In a dollars-and-cents, bottom-line world, where numbers influence everything, none of us can afford to let our math skills atrophy. This step-by-step personal math trainer: Refreshes practical math skills for your personal and professional needs, with examples based on everyday situations. Offers straightforward techniques for working with decimals and fractions. Demonstrates simple ways to figure discounts, calculate mortgage interest rates, and work out time, rate, and distance problems. Contains no complex formulas and no unnecessary technical terms.

Physics does not have to be daunting. This book, complete with practice questions and answers, forms a course which will take you from beginner or intermediate level to having a confident grasp of physics. The book includes: simple step-by-step explanations, to help you grasp new topics or those that have previously confused you; practice questions throughout, to help you embed your learning and improve your confidence; and end of chapter summaries to help you remember the key points you've learnt - all in one great-value book, so you don't need any separate workbooks or course books. Chapters include: Starting physics, motion, forces in action, thermal physics, engines and thermodynamics, electricity, the nature of light, materials and molecules, quantum theory and relativity, the structure of matter, nuclear energy, space and the universe, and the frontiers of physics. The Complete Introduction series from Teach Yourself is the ultimate one-stop guide for anyone wanting a comprehensive and accessible entry point into subjects as diverse as philosophy, mathematics, psychology, economics and practical electronics. Loved by students and perfect for general readers who simply want to learn more about the world around them, these books are your first choice for discovering something new.

Practical Algebra If you studied algebra years ago and now need a refresher course in order to use algebraic principles on the job, or if you're a student who needs an introduction to the subject, here's the perfect book for you. **Practical Algebra** is an easy and fun-to-use workout program that quickly puts you in command of all the basic concepts and tools of algebra. With the aid of practical, real-life examples and applications, you'll learn: * The basic approach and application of algebra to problem solving * The number system (in a much broader way than you have known it from arithmetic) * Monomials and polynomials; factoring algebraic expressions; how to handle algebraic fractions; exponents, roots, and radicals; linear and fractional equations * Functions and graphs; quadratic equations; inequalities; ratio, proportion, and variation; how to solve word problems, and more. Authors Peter Selby and Steve Slavin emphasize practical algebra throughout by providing you with techniques for solving problems in a wide range of disciplines--from engineering, biology, chemistry, and the physical sciences, to psychology and even sociology and business administration. Step by step, **Practical Algebra** shows you how to solve algebraic problems in each of these areas, then allows you to tackle similar problems on your own, at your own pace. Self-tests are provided at the end of each chapter so you can measure your mastery.

Understanding Noisy Systems**Complete Electronics Self-Teaching Guide with Projects****Physical Geography****Storyboard****Understanding Physics**

Stochastic processes are an essential part of numerous branches of physics, as well as in biology, chemistry, and finance. This textbook provides a solid understanding of stochastic processes and stochastic calculus in physics, without the need for measure theory. In avoiding measure theory, this textbook gives readers the tools necessary to use stochastic methods in research with a minimum of mathematical background. Coverage of the more exotic Levy processes is included, as is a concise account of numerical methods for simulating stochastic systems driven by Gaussian noise. The book concludes with a non-technical introduction to the concepts and jargon of measure-theoretic probability theory. With over 70 exercises, this textbook is an easily accessible introduction to stochastic processes and their applications, as well as methods for numerical simulation, for graduate students and researchers in physics.

THE THIRD SET IN THIS EXCITING ELEMENTARY-LEVEL SCIENCE SERIES FOCUSES ON ENERGY IN ALL ITS FORMS AND SHOWS HOW IT FUNCTIONS! FILLED WITH EXPERIMENTS AND HANDS-ON ACTIVITIES, THE SERIES FEATURE THE COMBINED 60+ YEARS OF SCIENCE EDUCATION EXPERIENCE OF AU

Everything around us uses energy in one way or another. Our automobiles, planes, and trains burn fuel, our computers require electrical sources and Wi-Fi connections, and our telecommunication. Physics is perhaps the broadest and richest of all the sciences. And in terms of everyday phenomenon, it is among the most relevant to people. For example, the physics of sports is a very popular subject on this website. Many people play sports and it is natural for some of them to seek out the physics of the particular sport they are interested in. People who are not otherwise interested in physics will be interested in the physics behind the sport they are playing. Devices operate on cellular signals. Essentially, with our expanded capabilities has come an increased need for new forms of energy; and this from may be nuclear power or alternative energy sources such as fossil fuels or hybrid power. With a comprehensive review of physics, your child can broaden their mind with theories and exciting experiments.

* A complete course, from brain biology to abnormal psychology * Hundreds of questions and many review tests * Key concepts and terms defined and explained Master key concepts. Answer challenging questions. Prepare for exams. Learn at your own pace. What are the two basic psychological dimensions of emotions? How do you define abnormal behavior? Is extrasensory perception real? What is Viktor Frankl known for? With *Psychology: A Self-Teaching Guide*, you'll discover the answers to these questions and many more. Frank Bruno explains all the major psychological theories and terms in this book, covering perception, motivation, thinking, personality, sensation, intelligence, research methods, and much more. He presents the foundations of psychology and the biology of behavior; explores how children develop into adults and the psychological factors that make us individuals; and examines various mental disorders and the types of therapy used to treat them. The step-by-step, Q&A format of *Psychology* makes it fully accessible, providing an easily understood, comprehensive overview of the topic. Like the other popular *Self-Teaching Guides*, *Psychology* allows you to build gradually on what you have learned at your own pace. Questions and self-tests reinforce the information in each chapter and allow you to skip ahead or focus on specific areas of concern. Packed with useful, up-to-date information, this clear, concise volume is a valuable learning tool and reference source for anyone who seeks a greater understanding of human behavior.

*Its Forms, Changes, & Functions**Everything You Always Wanted to Know About Physics**Concepts and Problems, A Self-Teaching Guide**Precalculus**A Resource for the Physics Teachers*

The fast, easy way to master the fundamentals of physics. Here is the most practical, complete, and easy-to-use guide available for understanding physics and the physical world. Even if you don't consider yourself a "science" person, this book helps make learning key concepts a pleasure, not a chore. Whether you need help in a course, want to review the basics for an exam, or simply have always been curious about such physical phenomena as energy, sound, electricity, light, and color, you've come to the right place! This fully up-to-date edition of *Basic Physics*: * Has been tested, rewritten, and retested to ensure that you can teach yourself all about physics * Requires no math--mathematical treatments and applications are included in optional sections so that you can choose either a mathematical or nonmathematical approach * Lets you work at your own pace with a helpful question-and-answer format * Lists objectives for each chapter--you can skip ahead or find extra help if you need it * Reinforces what you learn with end-of-chapter self-tests

This is a handbook containing all the advice and recommendations about learning physics I wished someone had told me when I was younger. It is neither a career guide nor a comprehensive textbook. What's inside? - Understand why self-learning is an effective strategy. Learn why most university students never develop a deep understanding and what alternatives are possible. - Grasp the internal structure of physics. Learn how the fundamental theories of physics are connected and why physics works at all. - Develop an understanding of the landscape. Read bird's eye overviews that give a first taste of what the various theories of physics are all about. - Everything you need to get started. Read detailed reading and learning recommendations that allow you to carve out a personal learning path.

Basic Physics A Self-Teaching Guide Wiley

Learn physical geography at your own pace. What is atmospheric pressure? How does latitude indicate the type of climate a specific place will have? Where are volcanic eruptions or strong earthquakes most likely to occur? With *Physical Geography: A Self-Teaching Guide*, you'll discover the answers to these questions and many more about the basics of how our planet operates. Veteran geography teacher Michael Craghan takes you on a guided tour of Earth's surface, explaining our planet's systems and cycles and their complex interactions step by step. From seasonal changes to coastal processes, from effluvial basins to deep sea fissures, Craghan puts the emphasis on comprehension of the topics. He also includes more than 100 specially commissioned illustrations and 50 photographs to help clarify difficult concepts. The clearly structured format of *Physical Geography* makes it fully accessible, providing an easily understood, comprehensive overview for everyone from the student to the amateur geographer to the hobbyist. Like all *Self-Teaching Guides*, *Physical Geography* allows you to build gradually on what you have learned at your own pace. Questions and self-tests reinforce the information in each chapter and allow you to skip ahead or focus on specific areas of concern. Packed with useful, up-to-date information, this clear, concise volume is a valuable learning tool and reference source for anyone who wants to improve his or her understanding of physical geography.

*The Back of the Net**Teach Yourself Physics**Quick Calculus**Six Lectures on Painting* Delivered on the Scammon Foundation at the Art Institute of Chicago in the Year 1911

THE QUICK AND PAINLESS WAY TO TEACH YOURSELF BASIC CHEMISTRY CONCEPTS AND TERMS Chemistry: A Self-Teaching Guide is the easy way to gain a solid understanding of the essential science of chemistry. Assuming no background knowledge of the subject, this clear and accessible guide covers the central concepts and key definitions of this fundamental science, from the basic structure of the atom to chemical equations. An innovative self-guided approach enables you to move through the material at your own pace—gradually building upon your knowledge while you strengthen your critical thinking and problem-solving skills. This edition features new and revised content throughout, including a new chapter on organic chemistry, designed to draw you into the subject and learn and how much you retain. This powerful learning resource features: An interactive, step-by-step method proven to increase your understanding of the fundamental concepts of chemistry Learning objectives, practice questions, study guides, and more every chapter to reinforce your learning An emphasis on practical concepts and clear explanations to ensure that you comprehend the material quickly Engaging end-of-chapter stories connecting the material to a relevant topic in chemistry Concise, student-friendly chapters describing major chemistry concepts and terms, including the periodic table, atomic weights, chemical bonding, solutions, gases, solids, and liquids Chemistry: A Self-Teaching Guide is an ideal resource for anyone taking introductory chemistry courses, for students taking higher level courses needing to refresh their knowledge, and for those preparing for standardized chemistry and medical career admission tests.

*Energy**Stochastic Processes for Physicists*