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"Elements of Geology" is a classic geology textbook by W.H. Norton. It views such issues as the scope and aim of

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geology, how the weather influences geology, the work of groundwater, rivers, and valleys, the work of glaciers, wind, the sea, and its shores. Barron's Regents Exams and Answers: Earth

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Science--Physical Setting provides essential review for students taking the Earth Science Regents, including actual exams administered for the course, thorough answer explanations, and

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comprehensive review of all topics. All Regents test dates for 2020 have been canceled. Currently the State Education Department of New York has released tentative test dates for the 2021 Regents. The

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dates are set for January 26-29, 2021, June 15-25, 2021, and August 12-13th. This edition features: Five actual, administered Regents exams so students have the practice they need to prepare for the

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test Review questions grouped by topic, to help refresh skills learned in class Thorough explanations for all answers Score analysis charts to help identify strengths and weaknesses Study tips and test-

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taking strategies Looking for additional practice and review? Check out Barron's Earth Science--Physical Setting Power Pack two-volume set, which includes Let's Review Regents: Earth

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Science--Physical Setting in addition to the Regents Exams and Answers: Earth Science--Physical Setting book. Now in full colour, the third edition of this well established book provides a readable and

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highly illustrated overview of the aspects of geology that are most significant to civil engineers. Sections in the book include those devoted to the main rock types, weathering, ground

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investigation, rock mass strength, failures of old mines, subsidence on peats and clays, sinkholes on limestone and chalk, water in landslides, slope stabilization and understanding ground

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conditions. The roles of both natural and man-induced processes are assessed, and this understanding is developed into an appreciation of the geological environments potentially hazardous to civil

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engineering and construction projects. For each style of difficult ground, available techniques of site investigation and remediation are reviewed and evaluated. Each topic is presented as a double page

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spread with a careful mix of text and diagrams, with tabulated reference material on parameters such as bearing strength of soils and rocks. This new edition has been comprehensively updated and

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covers the entire spectrum of topics of interest for both students and practitioners in the field of civil engineering. This brief, paperback version of the best-selling Earth Science by Lutgens and

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Tarbuck is designed for introductory courses in Earth science. The text's highly visual, non-technical survey emphasizes broad, up-to-date coverage of basic topics and principles in geology,

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oceanography, meteorology, and astronomy. A flexible design lends itself to the diversity of Earth science courses in both content and approach. As in previous editions, the main focus is to

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foster student understanding of basic Earth science principles. Used by over 1.5 million science students, the Mastering platform is the most effective and widely used online tutorial, homework, and

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enhance practical application of concepts

Fundamentals of Hydrogeology

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Study and Interpretation of the Chemical

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Characteristics of Natural Water Geology

Human activity during the Anthropocene has transformed landscapes worldwide on a scale that rivals or exceeds even the largest of natural forces. Landscape ecology has emerged as a science to investigate the interactions between

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natural and anthropogenic landscapes and ecological processes across a wide range of scales and systems: from the effects of habitat or resource distributions on the individual movements, gene flow, and population dynamics of plants and animals; to the human alteration of landscapes affecting the structure of

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biological communities and the functioning of entire ecosystems; to the sustainable management of natural resources and the ecosystem goods and services upon which society depends. This novel and comprehensive text presents the principles, theory, methods, and applications of landscape ecology in an

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command line and build automation scripts LPI Linux Essentials Study Guide: Exam 010 v1.6 is perfect for anyone beginning a career in IT, newcomers to Linux, students in computer courses, and system administrators working with other operating systems wanting to learn more about Linux and other open source

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solutions.

Chemical principles are fundamental to the Earth sciences, and geoscience students increasingly require a firm grasp of basic chemistry to succeed in their studies. The enlarged third edition of this highly regarded textbook introduces the student to such 'geo-relevant' chemistry,

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presented in the same lucid and accessible style as earlier editions, but the new edition has been strengthened in its coverage of environmental geoscience and incorporates a new chapter introducing isotope geochemistry. The book comprises three broad sections. The first (Chapters 1–4) deals with the basic physical

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chemistry of geological processes. The second (Chapters 5–8) introduces the wave-mechanical view of the atom and explains the various types of chemical bonding that give Earth materials their diverse and distinctive properties. The final chapters (9–11) survey the geologically relevant elements and

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isotopes, and explain their formation and their abundances in the cosmos and the Earth. The book concludes with an extensive glossary of terms; appendices cover basic maths, explain basic solution chemistry, and list the chemical elements and the symbols, units and constants used in the book.

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This book is designed to introduce doctoral and graduate students to the process of conducting scientific research in the social sciences, business, education, public health, and related disciplines. It is a one-stop, comprehensive, and compact source for foundational concepts in behavioral research, and can serve as a

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stand-alone text or as a supplement to research readings in any doctoral seminar or research methods class. This book is currently used as a research text at universities on six continents and will shortly be available in nine different languages.

Principles and Practice

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Regents Exams and Answers: Earth
Science--Physical Setting Revised Edition
Dsst Principles of Advanced English
Composition

A Textbook of Geology

The Elements of Geology

RPSGT Exam Practice Questions

"Physical Geology is a

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comprehensive introductory text on the physical aspects of geology, including rocks and minerals, plate tectonics, earthquakes, volcanoes, glaciation, groundwater, streams, coasts, mass wasting, climate change, planetary geology and much more. It has a strong

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emphasis on examples from western Canada, especially British Columbia, and also includes a chapter devoted to the geological history of western Canada. The book is a collaboration of faculty from Earth Science departments at Universities and Colleges across

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is an essential part of preparing for
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chance of success. The best way to practice taking a test is by going through lots of practice test questions. If someone has never taken a practice test, then they are unprepared for the types of questions and answer choices that they will encounter on the official

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test. There is a tremendous advantage to someone taking the test that is already familiar with the questions and answer choices. Another advantage of taking practice tests is that you can assess your performance and see if you need to study and practice

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more, or if you're already prepared enough to achieve success on your test day. If you do well on the practice test, then you know you're prepared. If you struggle on the practice test, then you know you may still have more work to do to get prepared. Our RPSGT Exam

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using practice test questions allows you to reinforce your strengths and improve your weaknesses. Detailed answer explanations are also included for each question. It may sound obvious, but you have to know which questions you missed (and more importantly why you

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missed them) to be able to avoid making the same mistakes again when you take the real test. That's why our RPSGT Exam Practice Questions include answer keys with detailed answer explanations. These in-depth answer explanations will allow you to better understand

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any questions that were difficult for you or that you needed more help to understand.

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an essential reference. It clearly and systematically explains underground engineering geology principles, methods, theories and case studies. The authors lay out engineering problems in underground rock engineering and how to study and solve them. The

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***book specially emphasizes
mechanical and hydraulic couplings
in rock engineering for wellbore
stability, mining near aquifers and
other underground structures
where inflow is a problem.***

Exam 200-301

Essentials of Geology

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***An Exploration of Issues
Engineering Geology for
Underground Rocks***

Principles of Engineering Geology

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what licensing can do for you, outlines the engineering licensure process, highlights the six steps to licensure, covers the application process, includes the National Council of Examiners for

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Engineering and Surveying
Model Rules of Professional
Conduct and NEEES
publications, and describes
the testing process. Perhaps
the most useful element is a
sample test, complete with
questions and answers, that

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is similar in content and format to an actual principles and practice (PE) licensure exam.

'Engineering geology' is one of those terms that invite definition. The American Geological Institute, for

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example, has expanded the term to mean 'the application of the geological sciences to engineering practice for the purpose of assuring that the geological factors affecting the location, design,

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construction, operation and maintenance of engineering works are recognized and adequately provided for'. It has also been defined by W. R. Judd in the McGraw-Hill Encyclopaedia of Science and Technology as 'the

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application of education and experience in geology and other geosciences to solve geological problems posed by civil engineering structures'. Judd goes on to specify those branches of the geological or geo-

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sciences as surface (or surficial) geology, structural/fabric geology, geohydrology, geophysics, soil and rock mechanics. Soil mechanics is firmly included as a geological science in spite of the

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perhaps rather unfortunate trends over the years (now happily being reversed) towards purely mechanistic analyses which may well provide acceptable solutions for only the simplest geology. Many subjects

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evolve through their subject areas from an interdisciplinary background and it is just such instances that pose the greatest difficulties of definition. Since the form of educational development

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experienced by the practitioners of the subject ultimately bears quite strongly upon the corporate concept of the term 'engineering geology', it is useful briefly to consider that educational background.

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This book is written to explain the influence ground conditions can have upon engineering with rocks and soils, and upon designing, analysing and executing an engineered response to the geological and

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geomorphological processes acting on them; these subjects form the essence of Engineering Geology. The text is written for students of the subject, either geologists or engineers, who encounter the challenge of

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idealising the ground and its processes for the purposes of design and of quantifying them for the purpose of analysis. With this in mind the book describes how geology can dictate the design of ground

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investigations, influence the interpretation of its findings, and be incorporated into design and analysis. The reader is constantly reminded of basic geology; the "simple" things that constitute the "big

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picture", a neglect of which may cause design and analyses to be at fault, and construction not to function as it should.

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Principles, Methods, and

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Practices

Essentials of Landscape
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The Official Guide to the
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technologies, has released the new Cisco Certified Network Associate (CCNA) exam. This consolidated certification exam tests a candidate's ability to implement and administer a wide range of modern IT networking technologies. The CCNA

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every topic and concept that you need to know to ace your test. Our original research reveals specific weaknesses that you can exploit to increase your exam score more than you've ever imagined. Praxis II General Science: Content Knowledge

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(0435 and 5435) Exam Secrets includes: The 5 Secret Keys to Praxis II Test Success: Time Is Your Greatest Enemy, Guessing is Not Guesswork, Practice Smarter, Not Harder, Prepare, Don't Procrastinate, Test Yourself; Introduction to the

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Familiarity, Eliminate Answers,
Tough Questions, Brainstorm,
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Pace Yourself, Answer Selection,
Check Your Work, Beware of
Directly Quoted Answers, Slang,
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and much more...

Engineering Geology and Geotechnics discusses engineering survey methods. The book is comprised of 12 chapters that cover several concerns in engineering, such as building foundations, slopes, and

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construction materials. Chapter 1 covers site investigation, while Chapter 2 tackles geophysical exploration. Chapter 3 deals with slope and open excavation, while Chapter 4 discusses subsurface excavation. Foundation for buildings, reservoir, and dams

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and dam sites are also covered in the book. A chapter then tackles hydrogeology and underground water supply. The text also encompasses river and beach engineering. The last two chapters cover engineering seismology and construction

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materials. This book will be of great use to researchers, practitioners, and students of engineering.

Researchers, historians, and philosophers of science have debated the nature of scientific research in education for more

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than 100 years. Recent enthusiasm for "evidence-based" policy and practice in educationâ€"now codified in the federal law that authorizes the bulk of elementary and secondary education programsâ€"have brought a new

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sense of urgency to understanding the ways in which the basic tenets of science manifest in the study of teaching, learning, and schooling.

Scientific Research in Education describes the similarities and differences between scientific

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inquiry in education and scientific inquiry in other fields and disciplines and provides a number of examples to illustrate these ideas. Its main argument is that all scientific endeavors share a common set of principles, and that each fieldâ€™including

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education research" develops a specialization that accounts for the particulars of what is being studied. The book also provides suggestions for how the federal government can best support high-quality scientific research in education.

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Geosciences

*AP Human Geography Review
Book and Practice Test Questions
[Updated for the New Exam
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Examination

*Chemical Fundamentals of
Geology and Environmental
Geoscience*

CAPM Exam Prep

INTRODUCTION TO GEOLOGY.

The chemical composition of natural
water is derived from many different

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sources of solutes, including gases and aerosols from the atmosphere, weathering and erosion of rocks and soil, solution or precipitation reactions occurring below the land surface, and cultural effects resulting from activities of man. Some of the processes of solution or precipitation of minerals

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can be closely evaluated by means of principles of chemical equilibrium including the law of mass action and the Nernst equation. Other processes are irreversible and require consideration of reaction mechanisms and rates. The chemical composition of the crustal rocks of the earth and

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the composition of the ocean and the atmosphere are significant in evaluating sources of solutes in natural fresh water. The ways in which solutes are taken up or precipitated and the amounts present in solution are influenced by many environmental factors, especially climate, structure

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and position of rock strata, and biochemical effects associated with life cycles of plants and animals, both microscopic and macroscopic. Taken all together and in application with the further influence of the general circulation of all water in the hydrologic cycle, the chemical principles and

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environmental factors form a basis for the developing science of natural-water chemistry. Fundamental data used in the determination of water quality are obtained by the chemical analysis of water samples in the laboratory or onsite sensing of chemical properties in the field.

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Sampling is complicated by changes in composition of moving water and the effects of particulate suspended material. Most of the constituents determined are reported in gravimetric units, usually milligrams per liter or milliequivalents per liter. More than 60 constituents and properties are

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included in water analyses frequently enough to provide a basis for consideration of the sources from which each is generally derived, most probable forms of elements and ions in solution, solubility controls, expected concentration ranges and other chemical factors. Concentrations of

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elements that are commonly present in amounts less than a few tens of micrograms per liter cannot always be easily explained, but present information suggests many are controlled by solubility of hydroxide or carbonate or by sorption on solid particles. Chemical analyses may be

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grouped and statistically evaluated by averages, frequency distributions, or ion correlations to summarize large volumes of data. Graphing of analyses or of groups of analyses aids in showing chemical relationships among waters, probable sources of solutes, areal water-quality regimen, and water-

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resources evaluation. Graphs may show water type based on chemical composition, relationships among ions, or groups of ions in individual waters or many waters considered simultaneously. The relationships of water quality to hydrologic parameters, such as stream discharge rate or

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ground-water flow patterns, can be shown by mathematical equations, graphs, and maps. About 75 water analyses selected from the literature are tabulated to illustrate the relationships described, and some of these, along with many others that are not tabulated, are also utilized in

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demonstrating graphing and mapping techniques. Relationships of water composition to source rock type are illustrated by graphs of some of the tabulated analyses. Activities of man may modify water composition extensively through direct effects of pollution and indirect results of water

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development, such as intrusion of sea water in ground-water aquifers. Water-quality standards for domestic, agricultural, and industrial use have been published by various agencies. Irrigation project requirements for water quality are particularly intricate. Fundamental knowledge of processes

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that control natural water composition is required for rational management of water quality.

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even the atmosphere. Geologists spend most of their time outdoors, often in remote areas. They dig up fossils, take soil samples, create maps, and gather lots of photographic evidence. They study the weather and investigate potential

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geological activity in order to predict natural disasters and potentially save people from the ravages of tornadoes, earthquakes, tsunamis, or volcanic eruptions. There are dozens of different jobs that a geologist can hold. Each utilizes the knowledge

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and skills acquired from the same basic training and education. What any one geologist does depends on the job title or area of specialization. For example, environmental geologists are concerned with the safe use of natural resources. They

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test soil and water for signs of toxins after accidents, help create plans for cleanup, and make sure areas are safe for residents. Hydrogeologists work primarily with water. They study how water moves, how and where it becomes available to

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communities, ways to increase water supplies, and how to minimize possible pollution. Petroleum geologists search for sources of oil and gas, and develop methods for safe extraction. The minimum educational requirement to become a

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geologist is a bachelor's degree in geology, though many employers prefer a master's degree. In either case, those entering the field can expect to find jobs waiting for them. In fact, industry leaders predict that some areas will experience shortages

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