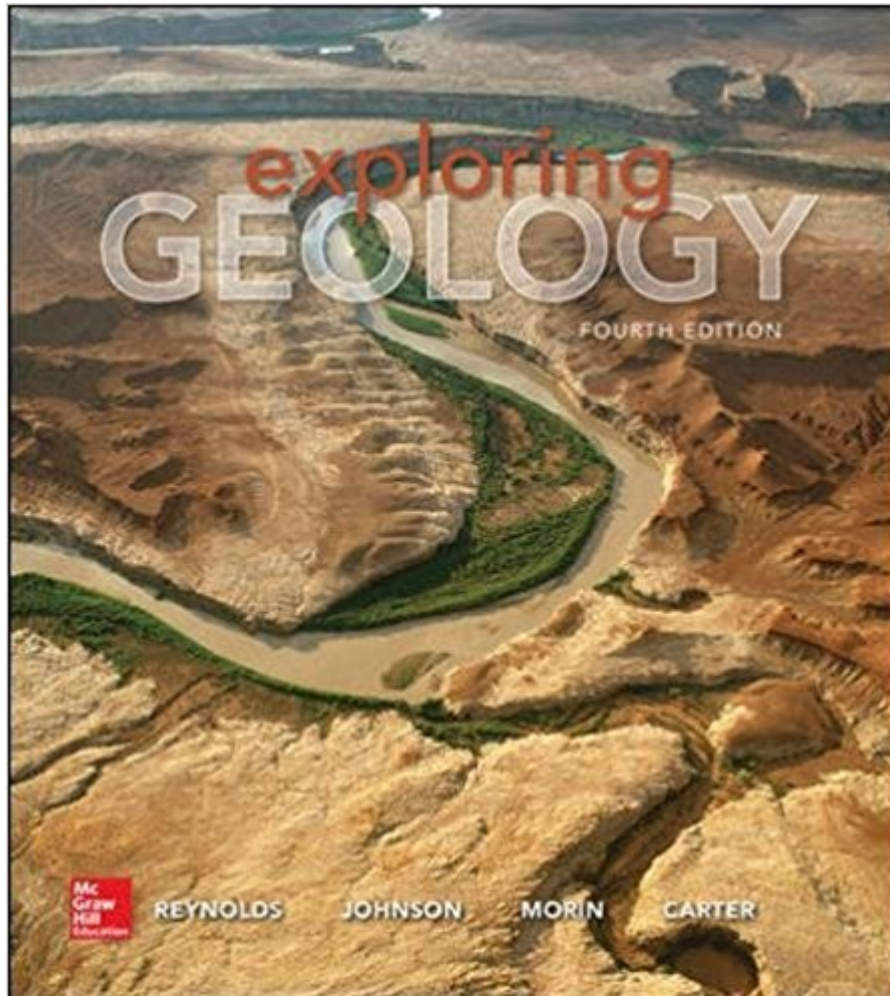




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Exploring Geology



Synopsis

NOTE: Access Code NOT INCLUDED Exploring Geology by Reynolds/Johnson/ Morin/Carter is an innovative textbook intended for an introductory college geology course, such as Physical Geology. This ground-breaking, visually spectacular book was designed from cognitive and educational research on how students think, learn, and study. Nearly all information in the book is built around 2,600 photographs and stunning illustrations, rather than being in long blocks of text that are not articulated with figures. These annotated illustrations help students visualize geologic processes and concepts, and are suited to the way most instructors already teach. To alleviate cognitive load and help students focus on one important geologic process or concept at a time, the book consists entirely of two-page spreads organized into 19 chapters. Each two-page spread is a self-contained block of information about a specific topic, emphasizing geologic concepts, processes, features, and approaches. These spreads help students learn and organize geologic knowledge in a new and exciting way. Inquiry is embedded throughout the book, modeling how geologists investigate problems. The title of each two-page spread and topic heading is a question intended to get readers to think about the topic and become interested and motivated to explore the two-page spread for answers. Each chapter is a learning cycle, which begins with a visually engaging two-page spread about a compelling geologic issue. Each chapter ends with an Investigation that challenges students with a problem associated with a virtual place. The world-class media, spectacular presentations, and assessments are all tightly articulated with the textbook. This book is designed to encourage students to observe, interpret, think critically, and engage in authentic inquiry, and is highly acclaimed by reviewers, instructors, and students.

Book Information

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Customer Reviews

Julia K. Johnson is currently a full-time faculty member in the School of Earth and Space Exploration at Arizona State University. Her M.S. and Ph.D. research involved structural geology and geoscience education research. The main focus of her geoscience education research is on student- and instructor-generated sketches for learning, teaching, and assessment in college geology classes. Prior to coming to ASU, she did groundwater studies of copper deposits and then taught full time in the Maricopa County Community College District, teaching Physical Geology, Environmental Geology, and their labs. At ASU, she teaches Introduction to Geology to nearly 1,000 students per year and supervises the associated introductory geology labs. She also coordinates the introductory geology teaching efforts of the School of Earth and Space Exploration, helping other instructors incorporate active learning and inquiry into large lecture classes.

Stephen J. Reynolds is the author of the highly successful Exploring Geology, Stephen Reynolds is bringing his innovation and strong visual content to Exploring Physical Geography. Stephen J. Reynolds received an undergraduate degree from the University of Texas at El Paso, and M.S. and Ph.D. degrees in geosciences from the University of Arizona. He then spent ten years directing the geologic framework and mapping program of the Arizona Geological Survey, completing a new Geologic Map of Arizona. Steve currently is a professor in the School of Earth and Space Exploration at Arizona State University, where he has taught various courses about regional geology, earth resources, evolution of landscapes, field studies, and teaching methods. As a National Association of Geoscience Teachers (NAGT) distinguished speaker, he traveled across the country presenting talks and workshops on how to infuse active learning and inquiry into large introductory geology classes. He is commonly an invited speaker to national workshops and symposia on active learning, visualization, and teaching.

I borrowed this from for school this semester, and although I picked the slower shipping, it came the day after I ordered it. It certainly looks new, and I'm almost considering buying it. So far in class this book has been very useful. It's nothing like a regular textbook either! There are TONS of pictures, which you need for geology, and they set up the information very nicely.-The chapters are divided into sections, and each section is a 2 page spread, which is titled by either a header or a question, such as, "How Do Plates Move And Interact?", making it much easier to scroll through and find the information you're looking for.-Also, the text isn't in invisible size-it's pretty easy to read.-There are no long boring paragraphs that go on for miles. Instead there's smaller, 5 sentence paragraphs. The pictures and diagrams are well and concisely explained in this small paragraph form, so your

specific homework question can not only be easily found, but also easily answered. They also took out a lot of unnecessary text. So if you're not going over it in class, it's not in the book. That helps when you have to reference the chapter.-My friend has an older edition, which has no glossary, so I assume that the glossary in this book is new.-There are also pictures and diagrams that you can observe before you read the lesson. Keep in mind, the pictures aren't on a different page, so you don't have to flip pages, find it, flip back, read, rinse and repeat. You can observe the picture, and as you read the small paragraphs, you can see what the text means. It's easy to find your place again too-just find the paragraph. In the introduction, they say that this "textbook contains more than 2,400 illustrations, which is 2 to 3 times the number in most intro to GEL textbooks".-There are also little blurbs about what's going on in real world geology, such as how the Mediterranean sea was once a desert. Those are again concise, interesting, and go right into the lesson.-At the bottom right-hand corner of every 2 page-spread, there's a highlighted box containing questions, activities, and concepts you'll need to answer/ know before you leave the page. Those have been useful study guides for me.Also know that the authors researched a lot into how students today learn, and based the book off of that research. As a student, I actually enjoy this book, and reading the chapter is SO much easier than with any other textbook I've ever had. If you borrow or buy this textbook, or are thinking of getting an older edition, just know that this edition is a lot easier to use than others, and it's worth the extra money to have a less stressed semester.

The book itself has been a great read so far. While I've only had the book for an hour, I can tell you this is quite an impressive textbook. This book is meant to be viewed with dual page layouts. (2 pages viewed at once.)Unfortunately, "Kindle for PC" has no options to view this book as it was meant to be viewed, nor is it convenient to read this on an actual Kindle device. I suggest buying the hard copy, or renting, rather than the frustration of trying to use Kindle(anything) to read this book. I'll be returning this as soon as it's up for returning, and ordering a physical copy in it's place.

I really enjoyed this textbook. Gives a broad intro to geology and mechanisms of the earth. Simple writing, in depth explanations, diagrams, graphs, and awesome pictures really bring geology to life.

I assume all International ed are b/w prints which is awful rubbish. It is produced for the Indian mass-market, I am happy to suffer with my Indian fellows as the concept of the book remains. I do have pre-knowledge in Geology and am able to generate colours correspondingly. Whoever purchase is related to easy readable graphs do not opt for the int.

Did not like this text at all! It's like reading USA Today, headlines and pictures..... It is very unorganized and jumps around a lot, never staying on the topic that started the chapter... Never really goes into much depth.

I took an online course on the geology of our National Parks out of the University of California this summer with my high-school grandson. We relied mostly on the lectures, but the text was very helpful as a backup, especially, since the Professors selected the relevant sections for us.

the graphics are fantastic: geology needs visuals.the labels around the graphics integrates the content of the written text better than traditional textbooksthe reorganization of chapters into small, two-page nuggets makes it far easier to understand and retain

The fact that it was published for the Indian market, buried in fine print, and the significant grammatical errors, made the purchase essentially unusable.

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