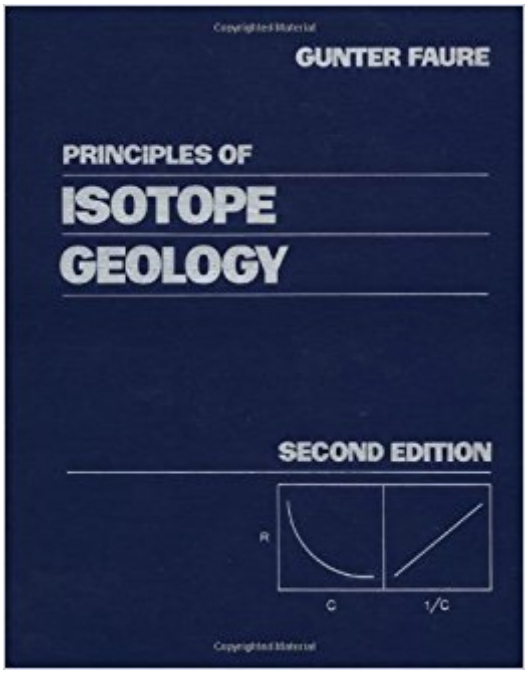
Principles Of Isotope Geology, 2nd Edition



Synopsis

This wide-ranging text in isotope geology/geoscience allows students to integrate material taught in various courses into a unified picture of the earth sciences. Gives a rational exposition of the principles used in the interpretation of isotopic data and shows how such interpretations apply to the solution of geological problems. Current with references up to 1985, chapters in this edition have been revised, and new chapters on Sm-Nd, Lu-Hf, Re-Os, and K-Ca decay schemes and cosmogenic radionuclides have been added. Data summaries and references have been expanded. Also includes problems for student study and abundant line drawings with explanatory captions.

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Customer Reviews

This wide-ranging text in isotope geology/geoscience allows students to integrate material taught in various courses into a unified picture of the earth sciences. Gives a rational exposition of the principles used in the interpretation of isotopic data and shows how such interpretations apply to the solution of geological problems. Current with references up to 1985, chapters in this edition have been revised, and new chapters on Sm-Nd, Lu-Hf, Re-Os, and K-Ca decay schemes and cosmogenic radionuclides have been added. Data summaries and references have been expanded. Also includes problems for student study and abundant line drawings with explanatory captions.

Great book to learn the basics of isotope geology, perfect as a reference as well. Comes with practice questions at the end of each chapter to help with the concepts covered.

This is an outstanding textbook written by a leading geochemist, Gunter Faure. As a textbook, it is easy to follow and understand. It covers most of the radiometric dating methods, their strengths, and their weaknesses. At the end of each chapter, there are relevant problem sets designed to help the reader (or student) comprehend the material covered in each chapter. I bought this book back in the early 90s for a mere $50-60 and never expected it to command its current price ($270), which is probably worth it.Where necessary, Faure covers geochemistry, geophysics and geological settings to help account for discordia and other problems.Faure has a newer text with co-author, Teresa Mensing, that extends and updates this book, but the principles of this book are still in vogue.

recommend it to my friend. I was blown away by how sharp this product is. It cut throw my very soft loaf of Italian without a single tear. I hesitated before I bought it because of another review who said it wasn’t sharp enough, but mine is outstanding. very comfortable and very fine . my sister need it , delivery so quickly.

The way G.Faure wrote this book, is amazing... Isotope geology is not a simple matter, but he did the work well done. For the very begining, he explains the origin of a bunch of natural isotopes in a clear exposition. The diagram speak for thenselves...Almost all the importante isotopes and methods available in nature are explained.This book is a milestone !

This is a great book. I had never taken geochemistry until I used this book for a class on radiogenic isotopes and geochronology. Even though I was a "geochem novice," I found the text easy to read and there were enough examples to help me understand each topic fully.The book is also a very complete and easy to use reference.I highly recommend this book for anyone as both a text book and as a reference.

A great book for anyone needing information on isotopes. Well written, with enough stories of isotopes in everyday life to make the book interesting. As a textbook, it is helpful. As a reference book, it is easy to find what you are looking for. I used this book as a student in two isotope classes, and I am going to hold onto it for the rest of my career.

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