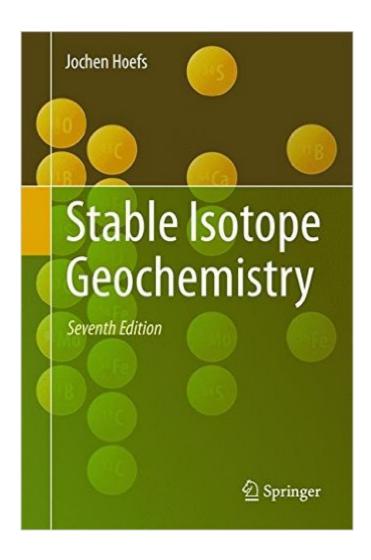
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# **Stable Isotope Geochemistry**





### **Synopsis**

Stable Isotope Geochemistry is an introduction to the use of stable isotopes in the geosciences. For students and scientists alike the book will be a primary source of information with regard to how and where stable isotopes can be used to solve geological problems. It is subdivided into three parts: i) theoretical and experimental principles, ii) fractionation processes of light and heavy elements, iii) the natural variations of geologically important reservoirs. In the last decade, major advances in multicollector-ICP-mass-spectrometry enable the precise determination of a wide range of transition and heavy elements. Progress in analysing the rare isotopes of certain elements allows the distinction between mass-dependent and mass-independent fractionations. These major advances in analytical techniques make an extended new edition necessary. Special emphasis has been given to the growing field of â cenon-traditionalâ • isotope systems. Many new references have been added, which will enable quick access to recent literature.

#### **Book Information**

Hardcover: 389 pages

Publisher: Springer; 7th ed. 2015 edition (July 10, 2015)

Language: English

ISBN-10: 3319197150

ISBN-13: 978-3319197159

Product Dimensions: 6.1 x 0.9 x 9.2 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

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