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## Cosmochemistry

By Harry Y. McSween Jr Jr

Cambridge University Press. Hardcover. Condition: New. 568 pages. How did the Solar Systems chemical composition evolve This textbook provides the answers in the first interdisciplinary introduction to cosmochemistry. It makes this exciting and evolving field accessible to undergraduate and graduate students from a range of backgrounds, including geology, chemistry, astronomy and physics. The authors - two established leaders who have pioneered developments in the field - provide a complete background to cosmochemical processes and discoveries, enabling students outside geochemistry to understand and explore the Solar Systems composition. Topics covered include: - synthesis of nuclides in stars - partitioning of elements between solids, liquids and gas in the solar nebula - overviews of the chemistry of extraterrestrial materials - isotopic tools used to investigate processes such as planet accretion and element fractionation - chronology of the early Solar System - geochemical exploration of planets Boxes provide basic definitions and mini-courses in mineralogy, organic chemistry, and other essential background information for students. Review questions and additional reading for each chapter encourage students to explore cosmochemistry further. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Hardcover.



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