



Ore Deposit Geology

By John Ridley

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Mapping closely to how ore deposit geology is now taught, this textbook systematically describes and illustrates the major ore deposit types, linking this to their settings in the crust and the geological factors behind their formation. Written for advanced undergraduate and graduate students with a basic background in the geosciences, it provides a balance of practical information and coverage of the relevant geological sciences, including petrological, geochemical, hydrological and tectonic processes. Important theory is summarized without unnecessary detail and integrated with students' learning in other topics, including magmatic processes and sedimentary geology, enabling students to make links across the geosciences. Students are supported by further reading, a comprehensive glossary, and problems and review questions that test the application of theoretical approaches and encourage students to use what they have learnt. A website includes visual resources and combines with the book to provide students and instructors with a complete learning package.

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Editorial Review

Review

"This is ore deposit geology the way most professional economic geologists think, using deposit descriptions as a basis for understanding genetic processes. It is clearly structured, simply illustrated and lucidly explained. This book will be appreciated by students, teachers and professional geologists for its clarity of expression and scholarship of content." - Dr Noel C. White - Consulting Economic Geologist and Honorary Research Professor, CODES, University of Tasmania

"If you've been searching for a modern textbook on metallic ore deposits, this is a good choice. Incorporating recent observational and theoretical advances, excellent graphics, an accessible treatment of chemical processes, and end of chapter questions, this book appears ideal for undergraduate geology majors." - Professor Donald M. Burt - School of Earth and Space Exploration, Arizona State University

"In this textbook, the author combines up-to-date scientific literature with well-structured discussions on ore-forming processes. This results in stimulating and insightful chapters, which provide students and teachers with an extremely useful tool. The end-of-chapter boxes and questions provide great pedagogic support for courses." - Dr. Paolo S. Garofalo - Geological & Environmental Sciences Department, Universit... di Bologna

"... [the] layout, [the] clear presentation of the topic, the choice of sample deposits, the glossary of selected terms, and the excellent graphic material make this textbook a most useful means to study the geology of ore deposits."

Geologos

About the Author

John Ridley is the Malcolm McCallum Chair of Economic Geology at Colorado State University where he has taught ore deposit geology and field geology for the past seven years. His earlier academic positions spanned three other continents, with positions at universities in Australia, Switzerland and Zimbabwe, and over his career he has taught courses in geochemistry, petrology and structural geology. Professor Ridley has published over seventy articles in refereed journals and books, in addition to geological maps and reports for companies and groups within the mining and minerals industries.

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