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Descriptive Inorganic Chemistry

Descriptive Inorganic Chemistry

Sixth Edition

Geoff Rayner-Canham
Tina Overton

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Synopsis

This bestselling text gives students a less rigorous, less mathematical way of learning inorganic chemistry, using the periodic table as a context for exploring chemical properties and uncovering relationships between elements in different groups. The authors help students understand the relevance of the subject to their lives by covering both the historical development and fascinating contemporary applications of inorganic chemistry (especially in regard to industrial processes and environmental issues). The new edition offers new study tools, expanded coverage of biological applications, and new help with problem-solving.

Book Information

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Customer Reviews

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After completing his Ph.D. in transition metal chemistry at Imperial College, London, England, Geoff Rayner-Canham has spent his career mainly at the Grenfell Campus of Memorial University, Newfoundland, Canada, together with sabbatical leaves at such diverse places as the Colorado School of Mines and the University of California, Santa Cruz. Being unable to find an inorganic chemistry text which used the concepts to explain the properties and uses of the chemical elements and compounds, he, subsequently joined by Tina Overton, authored Descriptive Inorganic Chemistry. The text is now entering its sixth edition, and has been translated into Spanish, Korean, Japanese, German, Portuguese, and Khmer. Geoff has authored many publications relevant to the teaching of inorganic chemistry, including several on novel aspects of the Periodic Table. Recognition of his contributions to the teaching of chemistry have included the Chemistry Education

Award of the Chemical Institute of Canada, and the National Science and Engineering Research Council of Canada PromoScience Award. Researching the life and work of pioneering women chemists is another of his activities, this work resulting in several books co-authored with Marelene Rayner-Canham. Tina Overton worked in industry and in the National Health Service whilst completing her first degree by part time study. She then completed a PhD and postdoctoral work in heterogeneous catalysis. She joined the chemistry department at the University of Hull in 1992, first as a teaching fellow, then as lecturer, senior lecturer, and then as Professor of Chemistry Education. During her time at Hull she became increasingly interested in chemical education research. She has published on the topics of critical thinking, context and problem-based learning and their role in developing conceptual understanding and cognitive skills and the development of problem solving skills. She has published learning resources which have been adopted in many institutions and has co-authored several textbooks in inorganic chemistry. She is Director of the national Higher Education Academy Physical Sciences Centre which aims to enhance the student learning experience across chemistry, physics and astronomy. She has been awarded the Royal Society of Chemistry's HE Teaching Award, Tertiary Education Award and Nyholm Prize and is a National Teaching Fellow and Senior Fellow of the Higher Education Academy."

This book is OK and touches on all the required topics for a basic inorganic course, however I find myself having to refer back to my general chemistry book (Silberberg) for a more concise and clear explanation of many things.

This is an excellent supplement to a college level inorganic chemistry course. It fills in many topics in a more complete and understandable way than my textbooks did.

Good condition but didn't like the book in general. I remember it being monocolour which made it too boring to look at. I'm glad I didn't actually purchase the book.

This is one of the best chemistry texts I've read. It's easy to read, and very clear and concise in its information. I'm glad I purchased it instead of renting, because it will be valuable the rest of my career.

Excellent volume which clarifies the often too quantitative basis of the discipline. Truly genius in its approach. I am extremely pleased with this book!

Excellent

good

Great textboo.

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