



General Chemistry: Principles and Modern Applications (9th Edition)

By Ralph H. Petrucci, William S Harwood, Geoff E Herring, Jeffry Madura

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Editorial Review

From the Publisher

General Chemistry: Principles and Modern Applications is recognized for its superior problems, lucid writing, and precision of argument. This edition introduces a number of innovative features--including new Feature Problems, new follow-up Practice Exercises to accompany every in-chapter Example, and a number of new Focus On application boxes.

From the Back Cover

General Chemistry: Principles and Modern Applications is recognized for its superior problems, lucid writing, and precision of argument. This book provides complete and precise coverage of the principles of general chemistry. This edition introduces a number of innovative features including new Feature Problems, new follow-up Practice Exercises to accompany every in-chapter Example, and a number of new Focus On application boxes.

About the Author

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Ralph Petrucci received his B.S. in Chemistry from Union College, Schenectady, NY, and his Ph.D. from the University of Wisconsin—Madison. Following ten years of teaching, research, consulting, and directing the NSF Institutes for Secondary School Science Teachers at Case Western Reserve University, Cleveland, OH, Dr. Petrucci joined the planning staff of the new California State University campus at San Bernardino in 1964. There, in addition to his faculty appointment, he served as Chairman of the Natural Sciences Division and Dean of Academic Planning. Professor Petrucci, now retired from teaching, is also a coauthor of *General Chemistry* with John W. Hill, Terry W. McCreary, and Scott S. Perry.

William S. Harwood

Bill Harwood received his B.Sc. from the University of Massachusetts, Amherst and his Ph.D. in Inorganic Chemistry from Purdue University in 1986. He is currently a Professor of Science Education at Indiana University, Bloomington. Previously, Dr. Harwood was at the Department of Chemistry and Biochemistry at the University of Maryland, College Park. In his current role, Dr. Harwood continues to teach chemistry and conduct research in chemical education. He has received several awards for teaching excellence. Dr. Harwood is also active in the American Chemical Society and the Division of Chemical Education and was a consultant to AAAS project 2061. He is involved in the science reform efforts at both the pre-college and college levels. His research focuses on how best to use technology to improve learning in chemistry.

F. Geoffrey Herring

Geoff Herring received his B.Sc. and his Ph.D. in Physical Chemistry, both from the University of London. He is currently a Professor in the Department of Chemistry of the University of British Columbia, Vancouver. Dr. Herring has research interests in the area of biophysical chemistry and has published over 100 papers in the area of physical chemistry and chemical physics. Recently, Dr. Herring has undertaken studies in the use of information technology and interactive engagement methods in teaching general chemistry with a view to improving student comprehension and learning. Dr. Herring has taught chemistry from undergraduate to graduate levels for 30 years and has twice been the recipient of the Killam Prize for Excellence in Teaching.

Jeffry D. Madura

Jeffry D. Madura received his B.A. from Thiel College and his Ph.D. in Physical Chemistry from Purdue University. He is currently Professor and Chair in the Department of Chemistry and Biochemistry of Duquesne University in Pittsburgh, PA. Dr. Madura's research interests are in the area of computational chemistry and biophysical chemistry, and he has published over 70 papers in the area of physical chemistry and chemical physics. Recently, Dr. Madura has undertaken studies in the use of technology and interactive personal response systems in teaching general and physical chemistry with the goal of improving student comprehension and learning. Dr. Madura has taught chemistry from undergraduate to graduate levels for 15 years and has been the recipient of a Dreyfus Teacher-Scholar Award.

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