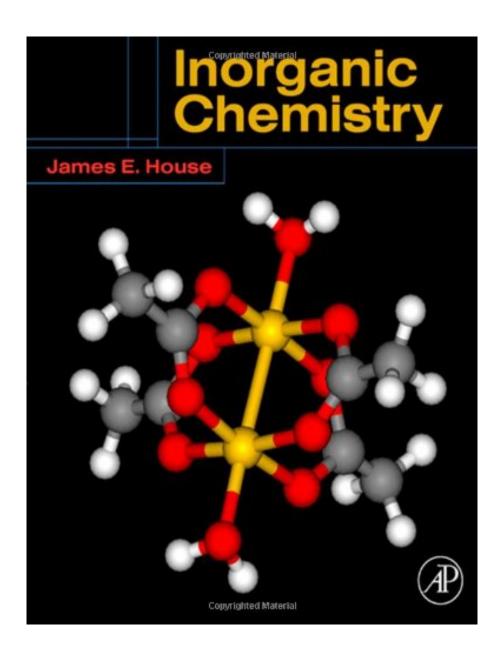


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From the Back Cover Inorganic Chemistry James E. House, Illinois Wesleyan University and Illinois State University, USA

Inorganic chemistry is a broad, rapidly developing field that includes theoretical, physical, and synthetic topics. If organic chemistry is defined as the chemistry of hydrocarbon compounds and their derivatives, then inorganic chemistry can be described as the chemistry of "everything else." This includes all of the remaining elements in the periodic table as well as carbon, which plays a major role in many inorganic compounds.

Written for a one-semester inorganic chemistry course, this textbook provides essential information for upper-level undergraduate and graduate students and for individuals pursuing self-study. The author presents the major areas of inorganic chemistry in a clear, concise manner and incorporates pedagogy that reflects his extensive experience teaching the course.

- . Concise coverage maximizes student understanding, and extensive visuals-including original figures and tables-show the broad applicability of important principles.
- . The book features a logical organization with five major sections: atomic and molecular structure, condensed phases, solution chemistry, chemistry of the elements, and chemistry of coordination compounds.
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About the Author

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This concise textbook meets several objectives. First, the topics included were selected in order to provide essential information in the major areas of inorganic chemistry (molecular structure, acid-base chemistry, coordination chemistry, ligand field theory, solid state chemistry, etc.). These topics form the basis for competency in inorganic chemistry at a level commensurate with the one semester course taught at most colleges and universities.

The second objective has been to stress fundamental principles in the discussion of several topics. For example, the hard-soft interaction principle is employed in discussion of acid-base chemistry, stability of complexes, solubility, and predicting reaction products.

Third, the presentation of topics is made with an effort to be clear and concise so that the book is portable and user friendly. This book presents in convenient form a readable account of the essentials of inorganic chemistry that can serve as both as a textbook for a one semester course upper level course and as a guide for self study.

Figures, tables, and end-of-chapter problems round out this pedagogically rich, thematically balanced text for advanced undergraduate and graduate level students.

- . Concise coverage maximizes student understanding and minimizes the inclusion of details students are unlikely to use.
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