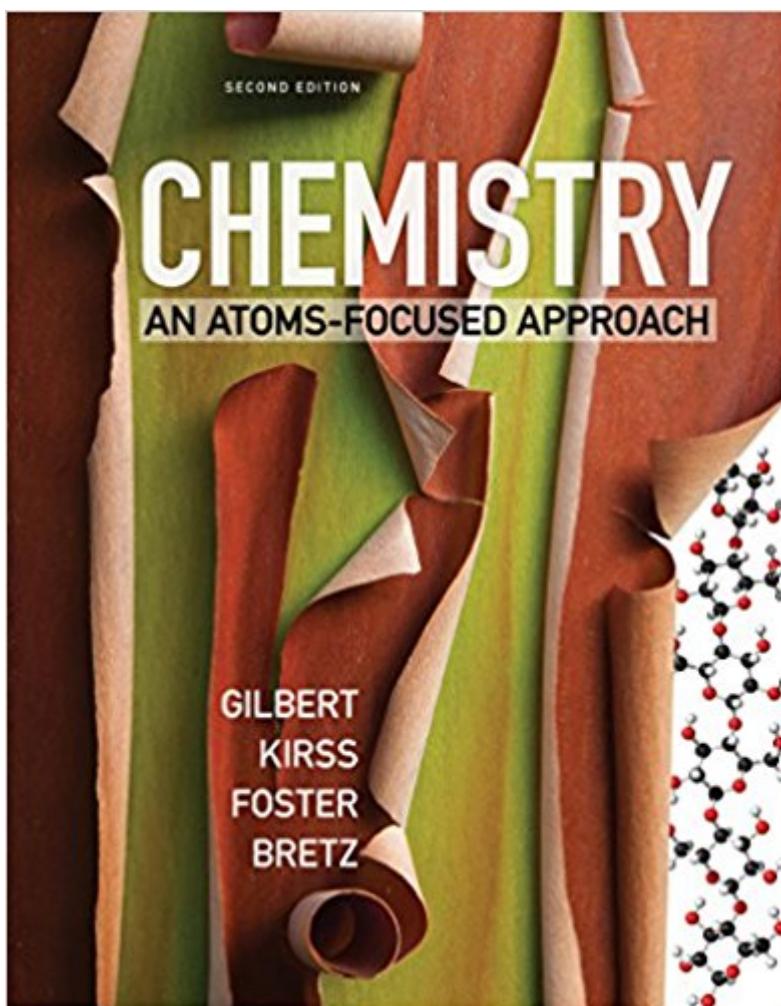


The book was found

Chemistry: An Atoms-Focused Approach (Second Edition)



Synopsis

Not just Atoms-First, Atoms-Focused. An atoms-first text and media program that goes beyond a reorganization of topics, emphasizes the particulate nature of matter throughout the book, art, and problems, and helps students develop their molecular visualization skills as they learn to become expert problem-solvers. The Second Edition's new co-author, Stacey Lowery Bretz, uses visualization tools based on Chemistry Education Research, and focused on the particulate nature of matter to help students self-assess what they know before, during, and after each chapter. Smartwork5 allows instructors to use this pedagogy as a diagnostic, and students receive hints and answer-specific feedback within the text. New ChemTour Animations support visualization at a molecular level, and are integrated throughout the media package.

Book Information

Hardcover: 1256 pages

Publisher: W. W. Norton & Company; 2 edition (June 1, 2017)

Language: English

ISBN-10: 0393614050

ISBN-13: 978-0393614053

Product Dimensions: 8.9 x 1.8 x 11.2 inches

Shipping Weight: 5.7 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #6,714 in Books (See Top 100 in Books) #43 in Books > Science & Math > Chemistry > General & Reference #57 in Books > Textbooks > Science & Mathematics > Chemistry

Customer Reviews

Thomas R. Gilbert has a BS in chemistry from Clarkson and a PhD in analytical chemistry from MIT. After 10 years with the Research Department of the New England Aquarium in Boston, he joined the faculty of Northeastern University, where he is currently associate professor of chemistry and chemical biology. His research interests are in chemical and science education. He teaches general chemistry and science education courses and conducts professional development workshops for K-12 teachers. He has won Northeastern's Excellence in Teaching Award and Outstanding Teacher of First-Year Engineering Students Award. He is a fellow of the American Chemical Society and in 2012 was elected to the ACS Board of Directors. Rein V. Kirss received both a BS in chemistry and a BA in history as well as an MA in chemistry from SUNY Buffalo. He received his

PhD in inorganic chemistry from the University of Wisconsin, Madison, where the seeds for this textbook were undoubtedly planted. After two years of postdoctoral study at the University of Rochester, he spent a year at Advanced Technology Materials, Inc., before returning to academics at Northeastern University in 1989. He is an associate professor of chemistry with an active research interest in organometallic chemistry. Stacey Lowery Bretz is a University Distinguished Professor in the Department of Chemistry and Biochemistry at Miami University in Oxford, Ohio. She earned her BA in chemistry from Cornell University, MS from the Pennsylvania State University, and a PhD in chemistry education research (CER) from Cornell University. Stacey then spent one year at the University of California, Berkeley as a post-doc in the Department of Chemistry. Her research expertise includes the development of assessments to characterize chemistry misconceptions and measure learning in the chemistry laboratory. Of particular interest is method development with regard to the use of multiple representations (particulate, symbolic, and macroscopic) to generate cognitive dissonance, including protocols for establishing the reliability and validity of these measures. She has been honored with both of Miami University's highest teaching awards: the E. Phillips Knox Award for Undergraduate Teaching in 2009 and the Distinguished Teaching Award for Excellence in Graduate Instruction and Mentoring in 2013. In 2015, she was honored as Chemist of the Year by the ACS Cincinnati Local Section. Natalie Foster is emeritus professor of chemistry at Lehigh University in Bethlehem, Pennsylvania. She received a BS in chemistry from Muhlenberg College and MS, DA, and PhD degrees from Lehigh University. Her research interests included studying poly(vinyl alcohol) gels by NMR as part of a larger interest in porphyrins and phthalocyanines as candidate contrast enhancement agents for MRI. She taught both semesters of the introductory chemistry class to engineering, biology, and other nonchemistry majors and a spectral analysis course at the graduate level. She is the recipient of the Christian R. and Mary F. Lindback Foundation Award for distinguished teaching.

Great, exactly what I ordered.

[Download to continue reading...](#)

Student's Solutions Manual: for Chemistry: An Atoms-Focused Approach (Second Edition)
Chemistry: An Atoms-Focused Approach (Second Edition) Chemistry: An Atoms-Focused Approach
Student's Solutions Manual: for Chemistry: An Atoms-Focused Approach Atoms, Molecules and
Optical Physics 1: Atoms and Spectroscopy (Graduate Texts in Physics) From Greek Atoms to
Quarks: Discovering Atoms (Chain Reactions) Comprehensive Heterocyclic Chemistry :
Comprehensive Heterocyclic Chemistry, Five-Membered Rings with Oxygen, Sulfur or Two or More

Nitrogen Atoms Study Guide: Ace Organic Chemistry I - The EASY Guide to Ace Organic Chemistry I: (Organic Chemistry Study Guide, Organic Chemistry Review, Concepts, Reaction Mechanisms and Summaries) Ace General Chemistry I and II (The EASY Guide to Ace General Chemistry I and II): General Chemistry Study Guide, General Chemistry Review Atoms in Molecules: A Quantum Theory (International Series of Monographs on Chemistry) Density-Functional Theory of Atoms and Molecules (International Series of Monographs on Chemistry) Adventures With Atoms and Molecules: Chemistry Experiments for Young People - Book I (Adventures With Science) Pharmacotherapy Casebook: A Patient-Focused Approach, Tenth Edition (Pharmacy) Pharmacotherapy Casebook: A Patient-Focused Approach, 9 Edition Global Corporate Finance: A Focused Approach: 2nd Edition The Un-Prescription for Autism: A Natural Approach for a Calmer, Happier, and More Focused Child Global Corporate Finance: A Focused Approach 50 Things To See With A Telescope - Kids: A Constellation Focused Approach Couple Therapy: A New Hope-Focused Approach Brief Counseling That Works: A Solution-Focused Therapy Approach for School Counselors and Other Mental Health Professionals

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)