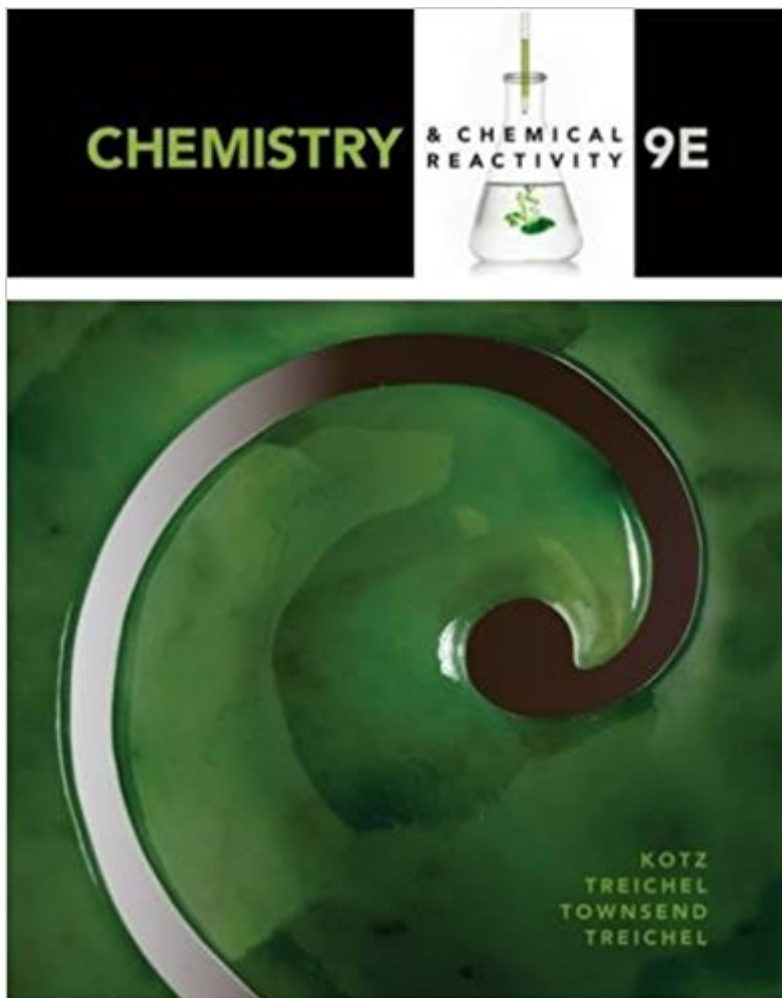


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# Chemistry & Chemical Reactivity



## Synopsis

Succeed in chemistry with the clear explanations, problem-solving strategies, and dynamic study tools of CHEMISTRY & CHEMICAL REACTIVITY, 9e. Combining thorough instruction with the powerful multimedia tools you need to develop a deeper understanding of general chemistry concepts, the text emphasizes the visual nature of chemistry, illustrating the close interrelationship of the macroscopic, symbolic, and particulate levels of chemistry. The art program illustrates each of these levels in engaging detail--and is fully integrated with key media components. In addition access to OWLv2 may be purchased separately or at a special price if packaged with this text. OWLv2 is an online homework and tutorial system that helps you maximize your study time and improve your success in the course. OWLv2 includes an interactive eBook, as well as hundreds of guided simulations, animations, and video clips.

## Book Information

Hardcover: 1408 pages

Publisher: Brooks Cole; 9 edition (January 27, 2014)

Language: English

ISBN-10: 1133949649

ISBN-13: 978-1133949640

Product Dimensions: 8.8 x 1.8 x 10.9 inches

Shipping Weight: 6.3 pounds (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 stars 22 customer reviews

Best Sellers Rank: #7,547 in Books (See Top 100 in Books) #50 in Books > Science & Math > Chemistry > General & Reference #65 in Books > Textbooks > Science & Mathematics > Chemistry

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chemistry to every day. Cases show you where chemistry has been used to solve a problem or where chemistry is important in every day. Examples include the use of isotopes to catch athletes who cheat using illegal drugs, acrylamide in French fries, and the amount of salt in seawater.

Connecting lecture topics + lab work. End-of-chapter questions address techniques used and work performed in the general chemistry laboratory to help you make the connection between lecture topics and lab work. Problem-solving tips offer help. The authors anticipate potential trouble

spots and provide tools designed to help you through. Problem-Solving Tips offer help to you in determining how to approach and solve problems. Study guide ensures you're ready for the exam. The study guide includes chapter overviews, key terms and definitions, sample tests, expanded commentary and study tips, worked-out examples, and direct references back to the text.

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John C. Kotz is an emeritus State University of New York Distinguished Teaching Professor at the College at Oneonta. Educated at Washington and Lee University and Cornell University, he held National Institutes of Health postdoctoral appointments at the University of Manchester Institute for Science and Technology in England and at Indiana University. Professor Kotz has co-authored three textbooks in several editions - INORGANIC CHEMISTRY, CHEMISTRY & CHEMICAL REACTIVITY, and THE CHEMICAL WORLD - along with the INTERACTIVE GENERAL CHEMISTRY CD-ROM. He also has published research on inorganic chemistry and electrochemistry. He was a Fulbright Lecturer and Research Scholar in Portugal in 1979 and a visiting professor there in 1992, as well as a visiting professor at the Institute for Chemical Education (University of Wisconsin, 1991-1992), at Auckland University in New Zealand (1999), and at Northwest University in South Africa (2006). He has been an invited speaker on education at conferences in Brazil, Argentina, South Africa, and New Zealand. He was recently a mentor for the U.S. Chemistry Olympiad Team. Professor Kotz has received several honors, among them a State University of New York Chancellor's Award (1979), a National Catalyst Award for Excellence in Teaching (1992), the Estee Lectureship in Chemical Education at the University of South Dakota (1998), the Visiting Scientist Award from the Western Connecticut Section of the American

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