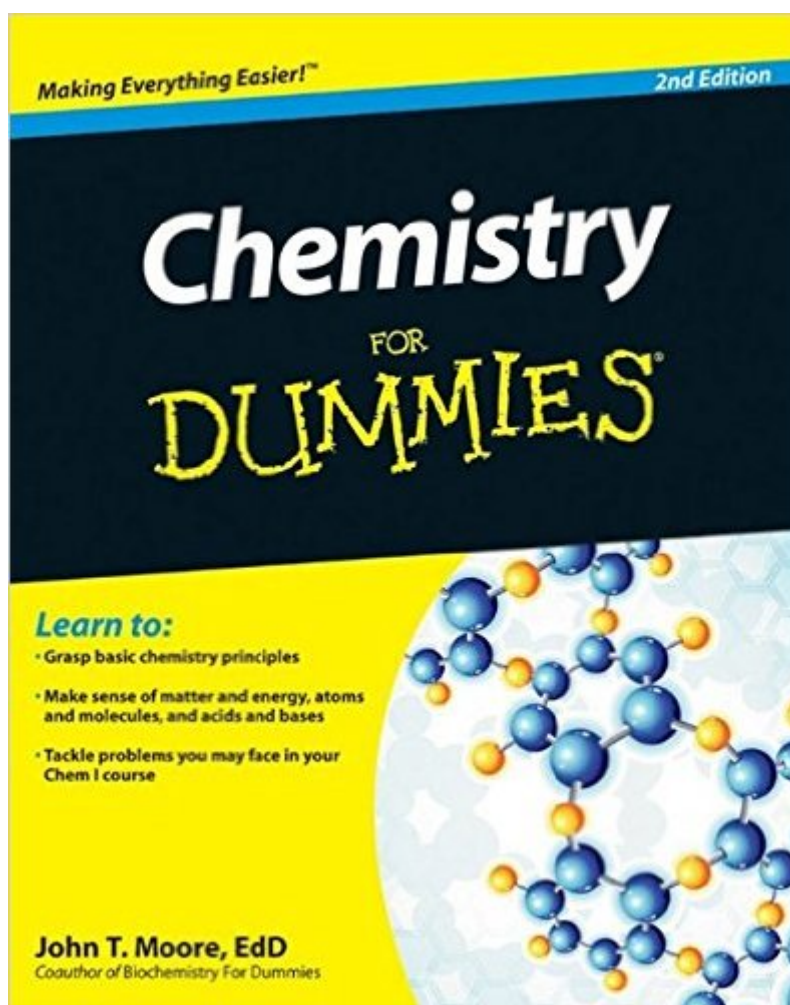


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Chemistry For Dummies



Synopsis

Chemistry For Dummies, 2nd Edition (9781118007303) is now being published as Chemistry For Dummies, 2nd Edition (9781119293460). While this version features an older Dummies cover and design, the content is the same as the new release and should not be considered a different product. See how chemistry works in everything from soaps to medicines to petroleum We're all natural born chemists. Every time we cook, clean, take a shower, drive a car, use a solvent (such as nail polish remover), or perform any of the countless everyday activities that involve complex chemical reactions we're doing chemistry! So why do so many of us desperately resist learning chemistry when we're young? Now there's a fun, easy way to learn basic chemistry. Whether you're studying chemistry in school and you're looking for a little help making sense of what's being taught in class, or you're just into learning new things, *Chemistry For Dummies* gets you rolling with all the basics of matter and energy, atoms and molecules, acids and bases, and much more! Tracks a typical chemistry course, giving you step-by-step lessons you can easily grasp Packed with basic chemistry principles and time-saving tips from chemistry professors Real-world examples provide everyday context for complicated topics Full of modern, relevant examples and updated to mirror current teaching methods and classroom protocols, *Chemistry For Dummies* puts you on the fast-track to mastering the basics of chemistry.

Book Information

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Customer Reviews

Chemistry for Dummies has been a tried and true chemistry book for my students who may be learning their first chemistry or reviewing chemical principles after a long time away from school. We

have greatly enjoyed the coverage of the 2003 book for its simple format and simple explanations. As students (ages 19 - 60's) learning hazardous materials, the simple approach and brief overview of other topics, i.e. organic chemistry, petroleum, synthetics, and household hazardous products is very helpful in their choice of profession. In the 2011 2nd edition it is good to see the 2003 appendices go away and have become a separate chapter (2). My students do complain that the 2011 edition has been made more complicated and several good parts from the earlier edition have been left out, i.e. the organic intro, petroleum, etc. I totally agree with them. With a very short time to teach an overview of chemistry (32 hours), students need to learn the basics atomic principles of atoms, ions, atomic sub particle placement, and the roles of protons and electrons. What isn't needed at this level is Quantum mechanics (QM). Students need to know about orbitals (energy levels), how many total electrons fill them and the Octet rule to successfully understand the basics of ionic and covalent bonding and basic chemical reactions. . The QM breakdown into sub orbitals (s, p, d, f) is more than they need The 2011 increased emphasis on QM diminishes the value of the text at a basic level. Explanation of the periodic table geography simplifies its organization, trends and use and speeds up student understanding and retention. QM is above this basic level of a need to know and complicates a grasp of the basic fundamentals.

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