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Why do certain substances react together in the way that they do? What determines the shape of molecules? And how can we predict whether a particular reaction will happen at all? Such questions lie at the heart of chemistry - the science of understanding the composition of substances, their reactions, and properties. While often fragmented into the strands of inorganic, organic and physical chemistry, a full understanding of chemistry - and establishing answers to questions such as those above - can only be gained by seeing the subject as a single, unified whole. Chemical Structure and Reactivity: an integrated approach rises to the challenge of depicting the reality of chemistry. Offering a fresh approach to undergraduate teaching, it depicts the subject as a seamless discipline, showing how inorganic, organic and physical concepts can be blended together to achieve the common goal of understanding chemical systems. The book adopts a two-part structure allowing complete flexibility of use: a series of core concepts covered in Part 1 leads into a suite of further topics in Part 2, from which the instructor can select to match their particular course. With a lively and engaging writing style augmented throughout by purpose-drawn illustrations, and custom-developed online support, Chemical Structure and Reactivity makes taking an integrated approach in the teaching of chemistry a realistic proposition for the first time. Online Resource Centre The Online Resource Centre to accompany Chemical Structure and Reactivity features the following resources for registered adopters of the book and their students: Registered adopters: - Figures from the book in electronic format; - Worked solutions to all end of chapter exercises - A testbank of multiple-choice questions keyed to the book For students: - Multimedia content, linked to the book, enabling students to investigate the concepts and phenomena presented in the book in a fully interactive way