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Molecular Physical Chemistry: A Concise Introduction

By Keith A McLauchlan

Royal Society of Chemistry. Paperback. Book Condition: New. Paperback. 136 pages. Dimensions: 9.1in. x 6.1in. x 0.4in. Molecular Physical Chemistry: A Concise Introduction focuses on two main aspects of physical chemistry: thermodynamics and reaction dynamics. By looking at the properties of the atoms and molecules that constitute matter, it makes use of results from modern experiments conducted on small numbers of molecules. These molecular properties allow the behaviour of larger groups of molecules to be predicted. This is in contrast to conventional approaches which are based upon how the subjects have developed historically. It attempts to show how some basic concepts can be easily applied to give verifiable results in simple systems before extending them to more complicated scenarios. The text is intended as an aid to understanding these central topics of physical chemistry, rather than an introduction to them, and some familiarity with them is assumed throughout. Worked examples and problems are given at the end of each chapter. Molecular Physical Chemistry: A Concise Introduction will be welcomed by graduate and advanced undergraduate students, as well as lecturers. Upon completion of this book the reader will see its subject matter as an integral part of their whole approach to chemistry....



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