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Basic Physical Chemistry for the Atmospheric Sciences

By Peter Victor Hobbs

Cambridge University Press. Hardback. Book Condition: new. BRAND NEW, Basic Physical Chemistry for the Atmospheric Sciences, Peter Victor Hobbs, Modern studies of the atmosphere, oceans, and Earth and planetary systems demand a sound knowledge of the basic chemical principles. This book provides a clear, concise review of these principles, particularly relating to the atmosphere. Students with little formal training in chemistry can work through the chapters and numerous exercises within this book before accessing the higher-level texts. The book covers the fundamental concepts of chemical equilibria, chemical thermodynamics, chemical kinetics, solution chemistry, acid and base chemistry, oxidation-reduction reactions and photochemistry. Over 160 exercises are contained within the text; they include 50 numerical problems solved in the text and 112 exercises for the reader to work on with hints and solutions provided in an appendix. Whether used in an introductory class in chemistry or for self instruction as a supplementary work book, this will be an invaluable resource for a broad range of students.



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