



Thermodynamics Kept Simple - A Molecular Approach: What is the Driving Force in the World of Molecules?

By Roland Kjellander

Apple Academic Press Inc. Mixed media product. Book Condition: new. BRAND NEW, Thermodynamics Kept Simple - A Molecular Approach: What is the Driving Force in the World of Molecules?, Roland Kjellander, Thermodynamics Kept Simple - A Molecular Approach: What is the Driving Force in the World of Molecules? offers a truly unique way of teaching and thinking about basic thermodynamics that helps students overcome common conceptual problems. For example, the book explains the concept of entropy from the perspective of probabilities of various molecular processes. Temperature is then addressed and related to probabilities for heat transfer between different systems. This approach gives the second law of thermodynamics a natural and intuitive background. The book delivers a concise and brilliantly conceived introduction to thermodynamics by focusing at the molecular level in a manner that is easy to follow and illustrated by engaging, concrete examples. By providing a guided tour of the world of molecules, the book gives insights into essential principles of thermodynamics with minimal use of mathematics. It takes as a unifying theme an application of simple but appropriate reasoning that leads to the correct mathematical relationships. Many well-chosen examples are employed to clearly illustrate the core laws and to...



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