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Thermodynamics - Wikipedia

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Atkins Physical Chemistry Volume 1: Thermodynamics and Kinetics The second volume covers quantum chemistry and spectroscopy. It goes on for a little less than 400 pages, and focuses on the physical chemistry itself, not too much in the math behind. it gives just enough to be understandable with a solid base.

What Is The Best Physical Chemistry Textbook? (Updated 2020)

These state functions include such familiar quantities as pressure, temperature, volume, concentrations, and energy, as well as some that are not so well known, notably enthalpy, entropy, Gibbs free energy, Helmholtz free energy, chemical potential, fugacity, and chemical activity. We can think of a state function as a quasi-mathematical function whose argument is a physical system.

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