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### **Classical And Statistical Thermodynamics Ashley**

It represents, both logically and historically, the transition between classical thermodynamics and the statistical theory. The underlying principles of equilibrium statistical thermodynamics are introduced in Chapter 12 through consideration of a simple coin-tossing experiment. The basic concepts are then defined.

### **Classical and Statistical Thermodynamics: Carter, Ashley H ...**

Overview. This book provides a solid introduction to the classical and statistical theories of

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thermodynamics while assuming no background beyond general physics and advanced calculus. Though an acquaintance with probability and statistics is helpful, it is not necessary. KEY TOPICS: Providing a thorough, yet concise treatment of the phenomenological basis of thermal physics followed by a presentation of the statistical theory, this book presupposes no exposure to statistics or quantum mechanics.

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## **Classical and Statistical Thermodynamics. Ashley H. Carter**

As a thermodynamics book, this is great. It has everything you could possibly need for an undergraduate thermo book. However for statistical mechanics, this book was terrible. Past the derivations of the 3 main statistical distributions the book really falls apart in explaining any statistical thermodynamics.

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## **Physics 140a, Fall 2006**

Classical and Statistical Thermodynamics: A.S. Carter (Prentice-Hall, Upper Saddle River NJ, 2001).  
1.3 Why Study Thermodynamics? In a nutshell, thermodynamics is the study of the internal motions of many-body systems. Virtually all physical entities that we encounter in everyday life are many-body systems of some type or

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## **Entropy 2002 entropy - MDPI**

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## **University of Houston**

Classical and Statistical Thermodynamics by Ashley H. Carter Prentice Hall: Upper Saddle River, NJ, 2001. xvi + 432 pp. Figs., tables. \$92.00.

## **Book & Media Reviews**

A carefully considered presentation of statistical theory that does not presuppose exposure to courses in statistics and quantum mechanics. Gives an accessible elucidation of the distribution functions for both classical and quantum gases. Ex. \_\_\_ A solid, modern treatment of the thermodynamics of magnetism included.

## **Pearson - Classical and Statistical Thermodynamics ...**

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Uniquely comprehensive introduction to both the classical and statistical theories of thermodynamics. Clear, highly readable text, well-matched to students' level. Thorough, yet concise treatment of the phenomenological foundation of thermal physics. Enables students to develop a genuine understanding of the fundamental concepts of the theory.

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