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## Thermodynamics And An Introduction To Thermostatistics Physics

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*Thermodynamics and an Introduction to Thermostatistics ...*

Introduction. A description of any thermodynamic system employs the four laws of thermodynamics that form an axiomatic basis. The first law specifies that energy can be exchanged between physical systems as heat and work. The second law defines the existence of a quantity called entropy, that describes the direction, thermodynamically, that a system can evolve and quantifies the state of order ...

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*1. Introduction to Thermodynamics*

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Thermodynamics is a science and, more importantly, an engineering tool used to describe processes that

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involve changes in temperature, transformation of energy, and the relationships between heat and work. It can be regarded as a generalization of an enormous body of empirical evidence 1. 1. It is extremely general: there are no hypotheses made concerning the structure and type of matter that we deal with.

## *1.1 What it's All About*

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