

# Thermal Physics

Internal Energy: the sum of the microscopic random kinetic energies and the microscopic potential energies of the molecules of the system.

$$U = \text{sum of microscopic KE} + \text{sum of microscopic PE}$$

Temperature: measure of the average kinetic energies of the molecules that make up the body.

Increase in internal KE = increase in temperature

But increase in  $U \neq$  increase in  $T$

Increase in PE = NO increase in temperature!

Thermal Equilibrium: Two objects are said to be in thermal equilibrium if they are in thermal contact and there is no net exchange of thermal energy between them.

In thermal eqm = same temperature

HEAT: the transfer of energy between a system and its environment due to a difference in temperature between them.

ZEROTH LAW OF THERMODYNAMICS: If objects A and B are separately in thermal eqm with a third body C, then A and B are also in thermal eqm with each other.

# Notes On Thermal Physics Custom

**JR Anderson**



**Notes On Thermal Physics Custom:**

## Reviewing **Notes On Thermal Physics Custom**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is really astonishing. Within the pages of "**Notes On Thermal Physics Custom**," an enthralling opus penned by a very acclaimed wordsmith, readers embark on an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve in to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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