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Thermodynamics is the branch of physics concerned with heat and temperature and their relation to energy and work. The behavior of these quantities is governed by the four laws of thermodynamics, irrespective of the composition or specific properties of the material or system in question.

Thermodynamics - Wikipedia

Moran, M.J. "Engineering Thermodynamics" • Mechanical Engineering Handbook Ed. Frank Kreith Boca Raton: CRC Press LLC, 1999 c 1999 by CRC Press LLC

Moran, M.J. Engineering Thermodynamics Mechanical

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The first law of thermodynamics is a version of the law of conservation of energy, adapted for thermodynamic systems. The law of conservation of energy states that the total energy of an isolated system is constant; energy can be transformed from one form to another, but can be neither created nor destroyed.

First law of thermodynamics - Wikipedia

Human Thermodynamics [HT]: the study of energy transformations in human life.

Human Thermodynamics :: Glossary

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