

# Thermodynamics Laws

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## INTRODUCTION

Thermodynamic laws can be stated as different types temperature, entropy, and thermal energy and in which it is characterized by the three basic and common laws called as zeroth law, first law, second law, third law, these laws are basic fundamental laws for the physics and these are also mainly applicable for the pure sciences.

The Zeroth law clarifies the state of energy in which the energy which can pass from the system it may be an in or out of the system and it can change the conservation of energy in this way the system energy or the physical energy states that they can arrange conceptionally the energy bodies from colder part to the hotter part because of these concepts that these thermodynamics can relate and that can be stated and proves by its own

The First law of thermodynamics can be defined that the energy or conservation of energy and that is modified for the thermodynamics process or thermodynamics states. Usually, the conservation of energy can be altered from the one to another form but it cannot be created nor destroyed. In general work can be done by the energy process it may be for the system or for the humans and it can be described from the process called mechanical forces, when the matter is changing into system energy then it is also termed as the potential energy or internal energy.

The Second law mainly focuses on the natural energy which is comes from the system that it interacts with the thermodynamically systems and it will never decrease that energy. And one more

important point in this law is the energy which is comes from system doesn't pass directly to the other body i.e. from the colder body to the hotter body. This law is also called irreversible energy process or natural energy process and that natural process can be lead to the matter or system energy. The best example for the second law is the living room in house when it is dirty and messy the energy is zero and when we are going to clean the room the energy will run and system work or entropy is decreasing by the time. The way to put effort on the systemic energy is the way the result is and the entropy of the body that can be created.

The third law defines that the system's entropy which is having the constant value of zero whereas the system of value zero is slightly close to the zero there is a difference between these both system values.

The Foremost law and second one can forbid the two different motion machines and that machines are having energy which it produces without energy systems and that which the second energy which is impulsively converts the thermal energy into the mechanical energy.

## ACKNOWLEDGMENTS

The authors are grateful to the journal editor and the anonymous reviewers for their helpful comments and suggestions.

## DECLARATION OF CONFLICTING INTERESTS

The authors declared no potential conflicts of interest for the research, authorship, and/or publication of this article..

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Lilongzou23@bje.edu **Received:** July 05, 2021; **Accepted:** July 19, 2021; **Published:** July 26, 2021

**Citation:** Zhou L (2021) Thermodynamics Laws. J Thermo Catalys 12:209

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