

4TH LAW OF THERMODYNAMICS OR SPECIAL THEORY OF FUNCTIONALITY

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Abstract

All matter of universe is active and functioning in different state of matter which is assigned by nature so as to change with change in the state of matter. This indicated that function of matter is conserved exactly like matter conserve or energy conserved. It is stated that function of matter is never stop although it change from one state to other state whether it is found in living or non living state. It was observed that molecules having same chemical formula in different state of matter showed different function of state. It may be stated that function of same molecule of matter depends upon the physical state of matter and it is different in different state of matter although having same chemical formula but never equal to zero or finish $\sum f \neq 0$ Summation function of matter (both in living and nonliving thing) is never equal to zero, where f represent the function of matter. All the laws of thermodynamics are applicable to the function of matter which in turns related with pressure (P), temperature (T), energy (E), entropy (S) and free energy (G). $T\Delta S - P\Delta V = f$. This relation is known as the fundamental thermodynamic relation for function of matter which in turns related with the E of the system. The entropy of gaseous state always highest and less in solid state (claimed as non living) and it is actually the entropy which is responsible for the movement and function of living and non living thing. Function of matter may be static or dynamics. Static equilibrium function mostly related with the solid state whereas dynamic equilibrium function with the liquid and gaseous state.

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Key words: living and nonliving things, state of matter, function