

CHAPTER OVERVIEW

20: Entropy and The Second Law of Thermodynamics

- 20.1: Energy Does not Determine Spontaneity
- 20.2: Nonequilibrium Isolated Systems Evolve in a Direction That Increases Their Energy Dispersal
- 20.3: Unlike heat, Entropy is a State Function
- 20.4: The Second Law of Thermodynamics
- 20.5: The Famous Equation of Statistical Thermodynamics is $S = k \ln W$
- 20.6: We Must Always Devise a Reversible Process to Calculate Entropy Changes
- 20.7: Thermodynamics Provides Insight into the Conversion of Heat into Work
- 20.8: Entropy Can Be Expressed in Terms of a Partition Function
- 20.9: The Statistical Definition of Entropy is Analogous to the Thermodynamic Definition
- 20.E: Entropy and The Second Law of Thermodynamics (Exercises)

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