

CHAPTER OVERVIEW

10: Entropy, Gibbs Energy, and Spontaneity

Chemical Principles (Zumdahl and Decoste) Textmap Alternative

Topic hierarchy

- 10.1: Spontaneous Processes
- 10.2: Isothermal Expansions and Compressions of Ideal Gases
- 10.3: Definition of Entropy
- 10.4: Entropy and Physical Changes
- 10.5: Entropy and the Second Law of Thermodynamics
- 10.6: The Effect of Temperature on Spontaneity
- 10.7: Gibbs (Free) Energy
- 10.8: Entropy Changes in Chemical Reactions
- 10.9: Gibbs Energy and Reactions
- 10.10: The Dependence of Free Energy on Pressure
- 10.11: Gibbs Energy and Equilibrium
- 10.12: Free Energy and Work

10: Entropy, Gibbs Energy, and Spontaneity is shared under a [CC BY-NC-SA 4.0](#) license and was authored, remixed, and/or curated by LibreTexts.