

CHAPTER OVERVIEW

19: Free Energy and Thermodynamics

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19.2: Spontaneous and Nonspontaneous Processes

19.3: Entropy and the Second Law of Thermodynamics

19.4: Predicting Entropy and Entropy Changes for Chemical Reactions

19.5: Heat Transfer and Changes in the Entropy of the Surroundings

19.6: Gibbs Energy

19.7: Free Energy Changes in Chemical Reactions- Calculating

19.8: Free Energy Changes for Nonstandard States - The Relationship between and

19.9: Free Energy and Equilibrium- Relating to the Equilibrium Constant (K)

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