

CHAPTER OVERVIEW

7: Mixtures and Solutions

Physical Chemistry: Thermodynamics

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Up until this point, we have conserved single-component systems which do not change in composition. By and large, nature consists of much more complicated systems, containing many components and continually undergoing changes in composition through phase changes or chemical reactions or both! In order to expand our thermodynamic toolbox, we will begin by discussing mixtures.

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[7.2: Partial Molar Volume](#)

[7.3: Chemical Potential](#)

[7.4: The Gibbs-Duhem Equation](#)

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