Phase Equilibria

An introduction to saturated vapor pressure, Raoult's Law, and to several types of phase diagrams - including phase diagrams for pure substances, solutions of non-volatile solutes, eutectic mixtures, systems of two miscible liquids (including fractional distillation), and systems of two immiscible liquids (including steam distillation).

6. Raoult's Law and Ideal Mixtures of Liquids

9. Immiscible Liquids and Steam Distillation

Fractional Distillation of Ideal Mixtures
Liquid-Solid Phase Diagrams: Salt Solutions

Liquid-Solid Phase Diagrams: Tin and Lead

Non-Ideal Mixtures of Liquids

Phase Diagrams for Pure Substances