

Mixtures and Solutions

Study Guide

Solution: A solid dissolved in a liquid

Dissolve: When a solid become incorporated into a liquid so as to form a solution.

To help a solid dissolve a liquid you can heat it or stir it up. You can also make sure the solute is ground up into smaller particles.

To separate a solution you can heat it up in order to evaporate the water.

Solvent: the substance in which a solute dissolves to produce a homogeneous mixture.

Solute: the substance that dissolves in a solvent to produce a homogeneous mixture.

Homogenous Mixture: a mixture in which the particles are distributed evenly throughout the mixture.

Heterogenous Mixture: a mixture in which the particles are not evenly distributed throughout the mixture

A solution is well-mixed and homogenous. A suspension can settle out and be heterogenous.

Suspension: a heterogeneous mixture in which some of the particles settle out of the mixture upon standing.