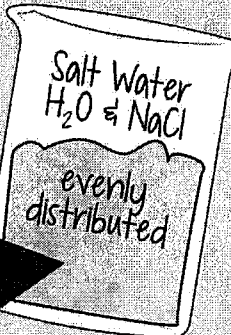


# MIXTURES

Mixtures are combinations of substances that CAN be separated by physical means.

## SOLUTIONS

Solutions are homogeneous mixtures in which one (the solute) is completely dissolved in another (the solvent).  
Solutions can be made of liquids, or gases in combination.



**solvent:**  
A substance in which other materials dissolve to form a solution.  
**solute:**  
A substance that is dissolved in a solvent.

**homogeneous:**  
Mixtures in which substances are evenly distributed and have a uniform composition.

## COLLOIDS

Colloids are mixtures that are halfway between a solution and a suspension. Particles appear to be distributed, but closer inspection reveals a heterogeneous mixture. Particles are not large enough to settle.



## SUSPENSIONS

Suspensions are heterogeneous mixtures in which particles DO NOT dissolve and are not evenly distributed.

Over time, the particles in a suspension can settle out. Most suspensions are solids in liquids, but also can be two liquids or even a solid or liquid in a gas.



**heterogeneous:**  
Mixtures in which substances are NOT evenly distributed. The original substances are physically distinct.