

- **Mixture** : two or more substances are combined, but they are not combined chemically (they can be separated)
- **Solution:** a mixture where one of the substances dissolves in the other.
 - The substance that dissolves is called the solute
 - The substance that does not dissolve is called the solvent
- A solution is a type of mixture. A solution is a mixture that is the same or uniform throughout. Think of the example of salt water. This is also called a "homogenous mixture." A mixture that is not a solution is not uniform throughout. Think of the example of sand in water. This is also called a "heterogeneous mixture."
- **Compound** : when substances are chemically joined

Mixture



sand

+



water

You can separate the sand from the water by filtering.



Solution



sugar

+



water

The sugar is dissolved in the water. The sugar particles are evenly distributed in the water.

