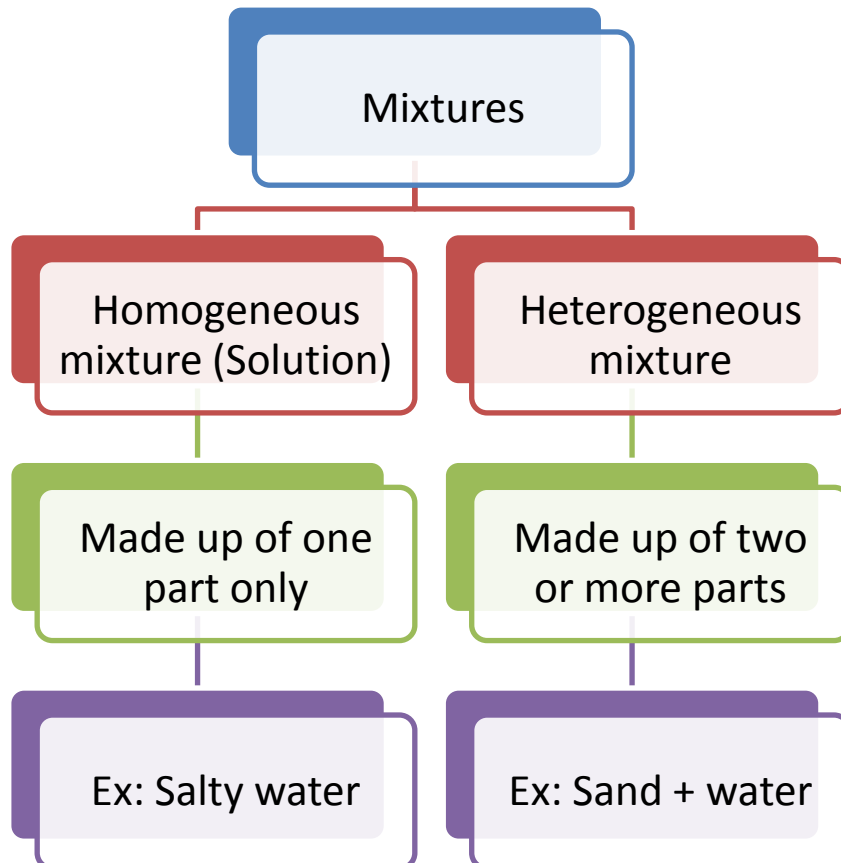


## Mixtures and Solutions

+ A mixture is a combination of two or more substances, such that these substances can be separated from each other.



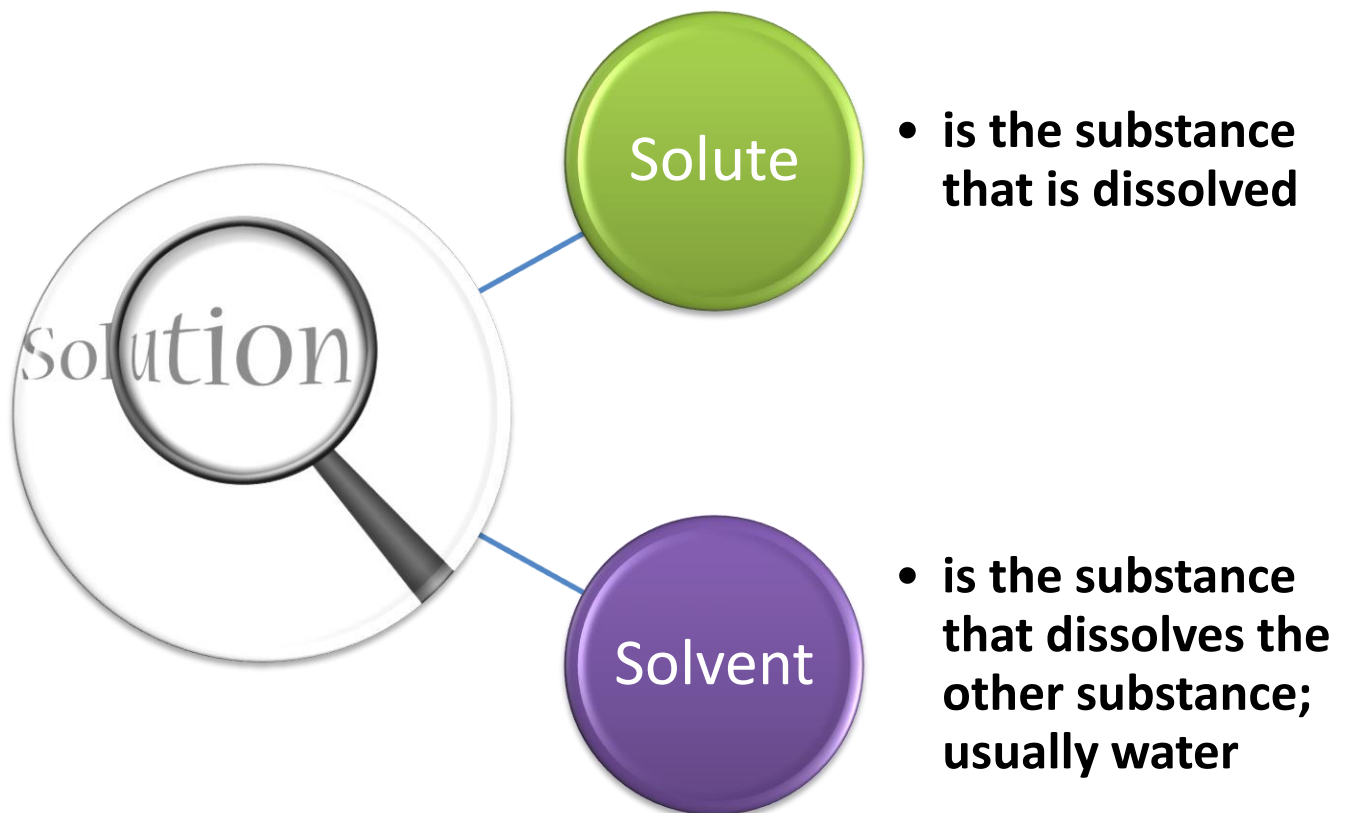
## Types of Mixtures



## Solutions


A solution is a homogenous mixture in which two substances or more dissolve in each other.

There are two main parts in a solution:



➤ In salty water: salt is the solute and water is the solvent.

1) Fill in the following table by writing the solute and the solvent for each solution:

Solution	Solute	Solvent
1. Salt + water		
2. acetone + nail polish		
3. vinegar + salt		
4. Pepsi 		

2) Fill in the following table by writing the type of each indicated mixture (Homogeneous or Heterogeneous)

Mixture	Its type
Cup of tea	
Sand and Water	
Cup of tea with mint leaves	
Lemonade juice	

## Answer Key

1) Fill in the following table by writing the solute and the solvent for each solution:

Solution	Solute	Solvent
1. Salt + water	Salt	Water
2. Acetone + Nail polish 	Nail polish	Acetone
3. Vinegar + Salt	Salt	Vinegar
4. Milk	Powdered milk + Sugar	Water

2) Fill in the following table by writing the type of each indicated mixture (Homogeneous or Heterogeneous):

Mixture	Its type
Cup of tea	Homogeneous
Sand and Water	Heterogeneous
Cup of tea with mint leaves	Heterogeneous
Lemonade juice	Homogeneous