



Label the pictures.



A mixture is made up of ... or ...
different ... mixed together.

The air we breathe is a mixture of
3 main gases: o..., c ... d..., and n... .

In a ... mixture, substances **can't** be separated from each other.

Substances which can dissolve in a liquid are called

In a ... mixture, substances can be separated from each other.

Substances which **can't** dissolve in a liquid are called

Soluble
Homogeneous
Heterogeneous
insoluble

Label the pictures as a homogenous or heterogeneous mixture.



Lead-in

Taking 2 lab jars full of water and mix
Asking the following questions:



1. How substances are mixed together?
2. Is the colour soluble or insoluble?

Mix oil and water together. Ask the following questions:

1. How substances are mixed together?
2. Is oil soluble or insoluble?



It's a **mixture** because we can **separate** the substances.



It's a **solution** because we can't **separate** the substances. Colour is dissolved in water.

A **soluble** substance forms
a solution with a **liquid**.





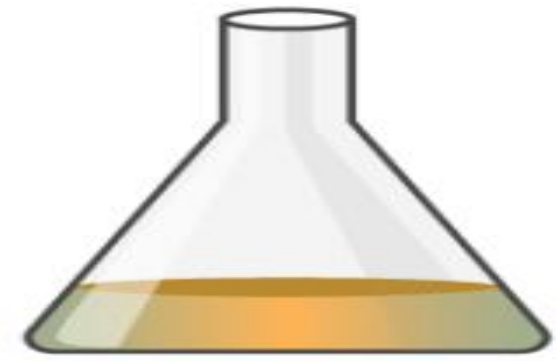
Solvent

+



Solute

=



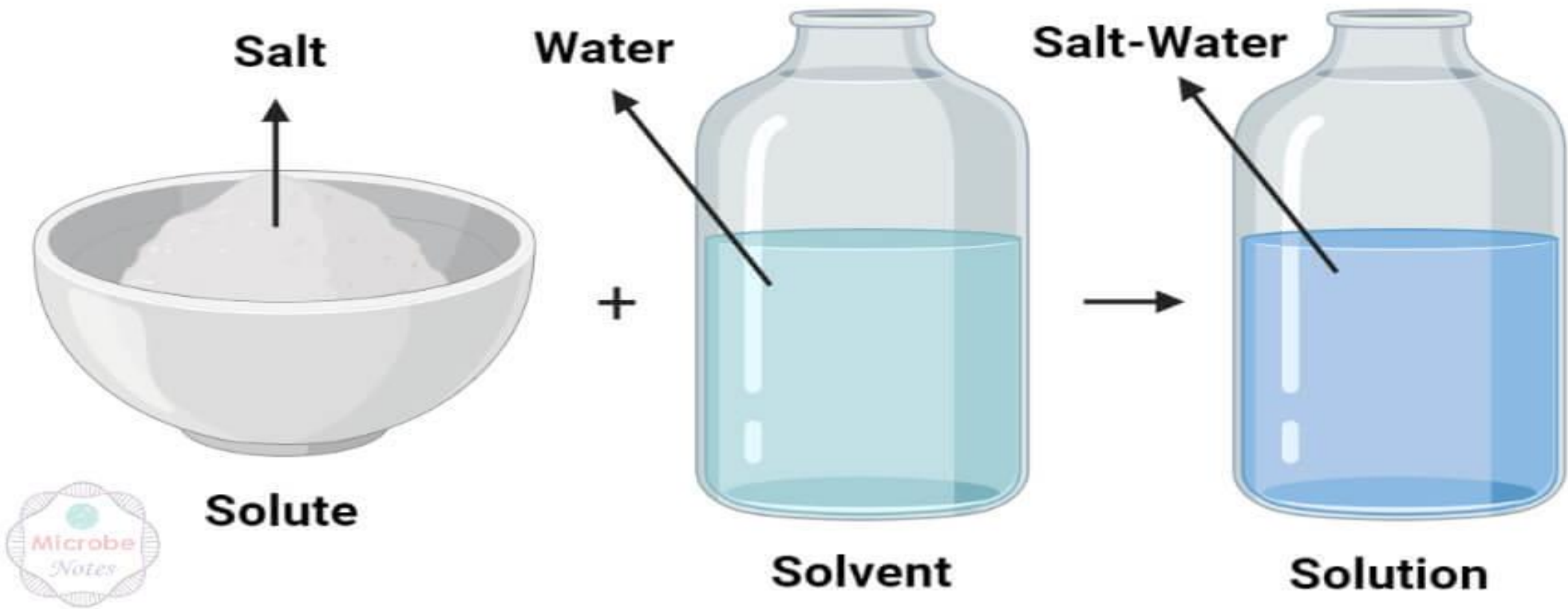
Solution

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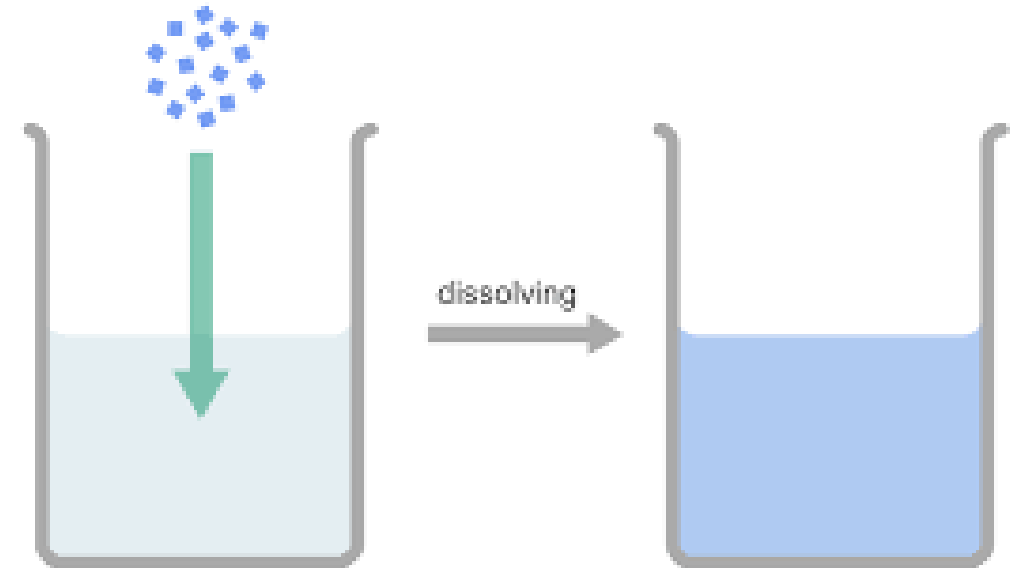
The liquid is called the solvent.

The soluble substance is called the solute.

The final product is a solution.

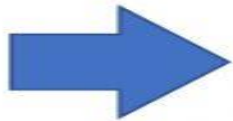
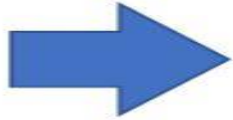
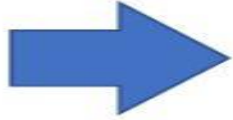


Label the pictures.



Solute & Solvent

Identify the solute and solvent in the below solutions



Alavi

21st Century Schools