




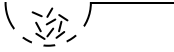


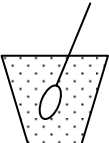
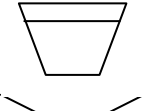
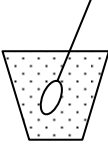
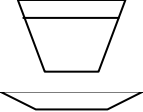


**WHICH SOLIDS CAN DISSOLVE ?  
WHICH SOLIDS CAN BE FILTERED ?**

	We mix.	Can we see the solid ?		Can we get the solid back ?
Example : <b>marbles</b>		Yes, we can : marbles <u>don't</u> <u>dissolve.</u>	 We take the marbles out...	We can retrieve the marbles.
<b>rice</b>				
<b>sand</b>				
<b>sugar</b>				
<b>salt</b>				

**WHICH SOLIDS CAN DISSOLVE ?  
WHICH SOLIDS CAN BE FILTERED ?**

	We mix.	Can we see the solid ?		Can we retrieve the solid ?
<b>marbles</b>		Yes, we can : marbles <u>don't</u> <u>dissolve</u> .	 We take the marbles out..	We can retrieve the marbles.
<b>rice</b>		Yes, we can. The liquid is <u>not</u> <u>clear</u> : rice doesn't	 We filter with a sieve..	We can retrieve the rice by filtering.
<b>sand</b>		Yes, we can. The liquid is <u>not</u> <u>clear</u> : sand doesn't dissolve	 We filter with a coffee filter	We can retrieve the sand by filtering.
<b>sugar</b>		No, we can't. The liquid is <u>clear</u> : sugar <u>dissolves</u> .	 We filter with a coffee filter.	We can't retrieve the sugar by filtering
<b>salt</b>		No, we can't. The liquid is <u>clear</u> : salt dissolves.	 We filter with a coffee filter.	We can't retrieve the salt by filtering.

## How can we get the solids back?

### Conclusion :

- Certain solids like salt and sugar can dissolve in water : the result is a clear liquid.
- Other solids can't dissolve in water : they stay visible in the water.
- Solids that do not dissolve, we can get back by filtering.

### How can we retrieve the salt ?

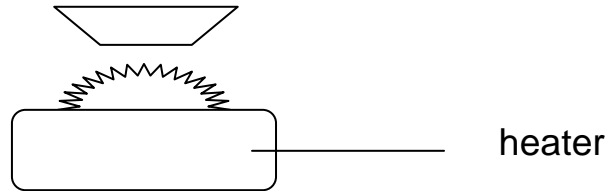
Water can evaporate.

We pour water on a plate.

We put the plate on a heater.

We wait.

Water evaporates : we can see salt crystals.



### Conclusion :

We can only get the salt back by evaporating water.