

The experiment



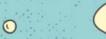
Distilled water Introduce the positive and negative charges in the distilled water. Does it work before the charges touching?

And after?



Result

Distilled water doesn't conduct electricity, so the circuit isn't closed until the two charges are touching.



Sodium chloride Introduce the positive and negative charges in the solution. Does it work before the charges touching? And after?





300

Result

It does work before the charges touch each other because the electrolytes allow electric current

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pH along the experiment





01

02

03

Distilled water

The pH of distilled water is 7, which means it is neutral

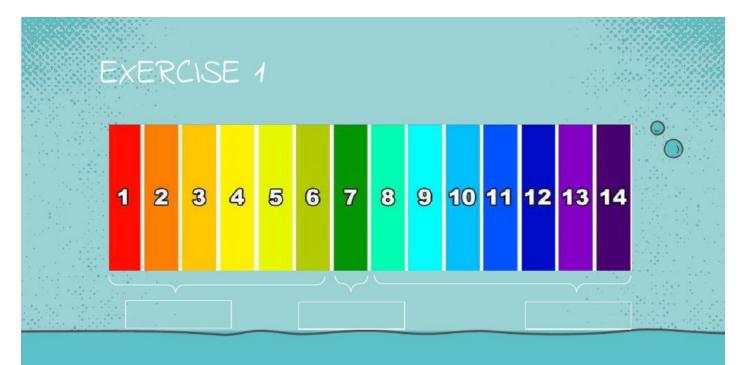
Sodium Chloride

The pH of sodium chloride is 7 approximately

Sodium chloride after electrolysis

After electrolysis, the pH of the solution changes almost 14

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Alcaline

Acid

Neutral **LIVEWORKSHEETS

EXERCISE 2

Complete/answer the following sentences:

- ★ Initial pH of the distilled water is
- ★ After introducing the charges in the water the pH changes?
- ★ The initial pH of the compound with Sodium Chloride is
- ★ After introducing the charges in the liquid, the final pH is



EXERCISE 3

Select the FALSE sentences:

- ☐ The electric current works in the distilled water
- ☐ When we connect the two charges in any environment, the light bulb turns on
- From the positive and the negative charges, we can see bubbles when there is Sodium chloride
- ☐ This compound turns into a more acid reaction ☐LIVEWORKSHEETS