

*Read the text and answer the questions. If it is possible doing the experiment at home do it and send me your results!

SCIENTIFIC METHOD THROUGH THE EXPERIMENT

“THE FLOATING EGG”

This is the initial situation and the materials that I have:



1. **Make an observation**: If I put an egg inside a glass with water it sinks.
2. **Ask a question**: Why does it sink? How to make the egg float?
3. **Make a hypothesis**: I think that if I increase the density of the water by adding some flour the egg will float. I think it won't float if I add sugar or salt.
4. **Conduct the experiment**:
 - a. Materials: water, 2 dessert spoons of each (sugar, salt and flour), 1 egg and 3 glasses.
 - b. Fill the 3 glasses with water.
 - c. Add 2 spoons of sugar to glass nº1, 2 spoons of salt to glass nº2 and 2 spoons of flour to glass nº3.
 - d. Dissolve the substances.
 - e. Introduce the egg in each one of the glasses and observe what happens.
5. **Draw conclusions**: My hypothesis was wrong because the egg only floats in the salty water and it sinks in the others. I learned that salt has more density than sugar and flour.
6. **Report your results**: The easiest way to make a floating egg is by adding some salt to the water.

Density of each substance:

 - a. Water: 1kg/l.
 - b. Egg: 1,13 kg/l.
 - c. Sugar: 1,6 kg/l.
 - d. Salt: 2,16 kg/l.
 - e. Flour: 0,49 kg/l.

Questions:

1. What are the steps in the SCIENTIFIC METHOD?
2. What is a HYPOTHESIS?
3. What scientific concept are we studying with this experiment?
4. What happens when you put the egg inside each glass?
5. Was my hypothesis correct?