



Eggsperiment!

Floating Eggs

What you need

3 large glasses, salt, teaspoon, spoon for stirring, three eggs

What you do

- ★ Half fill all 3 glasses with tap water
- ★ Carefully add an egg to one - what happens?
- ★ To the second glass add at least 10 teaspoons of salt to the water and stir to get it to dissolve. Gently add the egg - what happens?
- ★ To the last glass carefully add at least 10 teaspoons of salt to the water and stir to get it to dissolve. Carefully add the egg. Now, using a jug, very carefully add tap water to the glass and watch what happens!

What is happening

The more dense a liquid is, the easier it is for an object to float in.

Salt water is more dense than tap water.

In tap water the egg is more dense than the water and so it sinks to the bottom.

In salty water the egg is less dense than the water and so it floats to the top.