

Salt Water Density

The Science Behind the Experiment – A Guide for Adults

Objects float better in salt water than in fresh water because salt adds mass to water and makes it denser. If you add 10g of salt to 100g of water, the total mass is now 110g. This increase in density causes objects to float better on the surface. The denser the water, the easier it is for objects to float on top.

Science Experiment

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Can you put one egg into the bowl of water?

What happens?

Can you put one egg into the bowl of salt water?

What happens?

What other objects can you test? What happens?