

Water and Density

What you need:

- 3 glasses of water
- 3 raw eggs
- Salt
- Spoon

Step 1 Prepare 3 glasses



Glass 1

Fill with tap water (fresh water).



Glass 2

Fill with water and add 5–6 tablespoons of salt (salty / brackish water).



Glass 3

Place 1 egg halfway up by adjusting the salt concentration.

Step 2 Place an egg in glass 1 and 2 and observe the result



Glass 1

The egg sinks (it is denser than fresh water).



Glass 2

The egg floats (salt water is denser than the egg).



Glass 3

The egg stays suspended.

Observation

The density of a liquid changes how objects float in it.

The Dead Sea: a place where you float effortlessly!

The Dead Sea is a very salty lake. Its water contains much more salt than seawater. Because of all this dissolved salt, the water becomes very dense. Result: objects—and even people—float much more easily than in normal water!

It's the same phenomenon as in the egg experiment: in fresh water, the egg sinks; in salty water, it floats.

