

Curiosity Labs™ by Merck:
Floating Eggs

in this experiment, you will learn...

- What **density** is
- How density affects different objects
- How to **increase** the density of water

Share your results and tag us! #SPARKCuriosity

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SUPPLIES

- Water
- 2 hard boiled eggs
- 2 clear containers
- Salt

Instructions

STEP 1

Fill both containers with equal amounts of water.

STEP 2

Add approximately 5 large scoops of salt to 1 container.

STEP 3

Stir the container with the salt until all the salt has dissolved, creating a saturated solution.

STEP 4

Slowly place one egg in each of the containers.

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FUN FACTS

Density is measured by how tightly the molecules in an object are packed together.

By adding salt to the water you increased the number of molecules in the water, making it more dense than the egg.



WHAT HAPPENED?

The egg in the salt water floats! The salt in the water makes the liquid dense enough to support the egg (causing the egg to float).