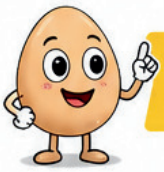
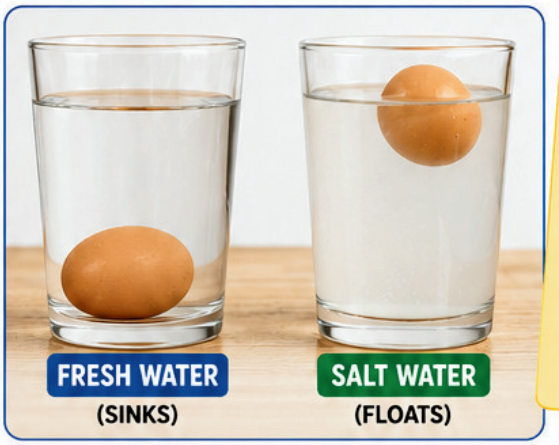
EGG FLOAT or SINK?



A SIMPLE EXPERIMENT TO DISCOVER DENSITY!



DID YOU KNOW?

Salt changes the density of water and can make an egg that usually sinks... float!

MATERIALS

- 2 clear glasses
- 2 cups of water (1 cup per glass)
- 2 raw eggs
- 3 tbsp of salt

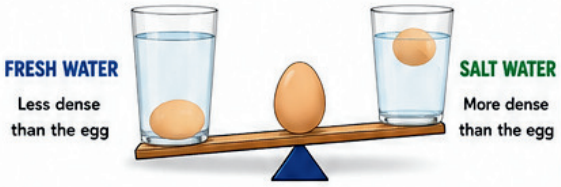
INSTRUCTIONS

1. Fill one glass with 1 cup of water.
2. Carefully add one egg. It will sink to the bottom.
3. In the second glass, mix 1 cup of water with 3 tbsp of salt. Stir until the salt is completely dissolved.
4. The salt water will look cloudy. That means it is more dense!
5. Carefully add the second egg. This time, it will float!

WHY IS THIS HAPPENING?

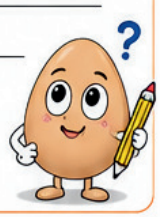
The density of a raw egg is greater than that of fresh water, so it **sinks**.

When you add salt to the water, it increases the water's density. Once the salt water becomes more dense than the egg, the egg **floats**!.



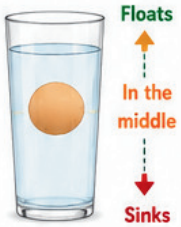
OBSERVE & ANSWER

- What happened to the egg in the first glass? _____
- What happened to the egg in the second glass? _____
- Why do you think the egg floated in salt water? _____
- What do you think would happen if you added more salt? _____



EXTRA CHALLENGE!

Add salt little by little to the second glass and try to make the egg float in the middle—not at the top or bottom!



FUN FACTS!

- The Dead Sea has so much salt that it's easy to float!
- Submarines use water density to go up and down.
- Density is an important property of matter!

SAFETY REMINDER

Ask an adult for help when using salt and handling the glasses.

Do not drink the salt water.

EXPLORE • DISCOVER • LEARN • HAVE FUN!