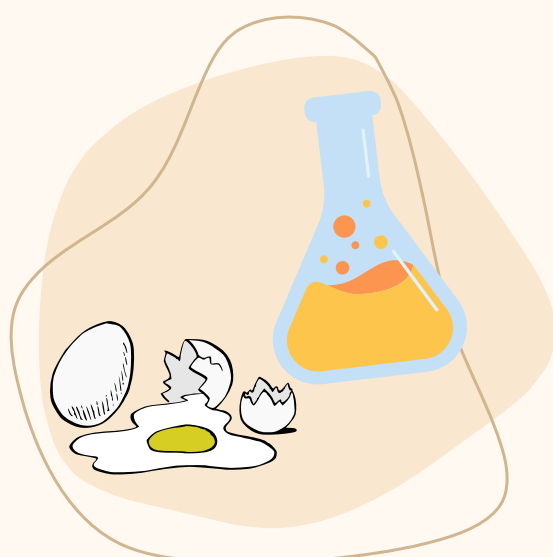


Floating Egg Experiment



Aim

If you were to drop an egg into water, it would initially sink. However, by adding salt to the water, the egg would begin to float. This simple experiment helps to illustrate the concept of density.



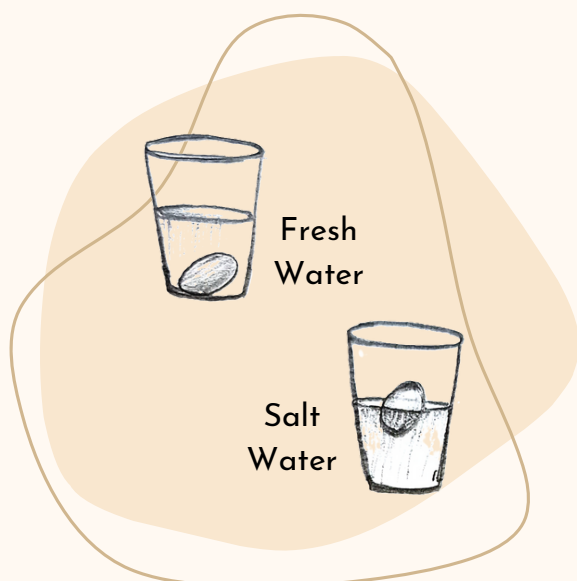
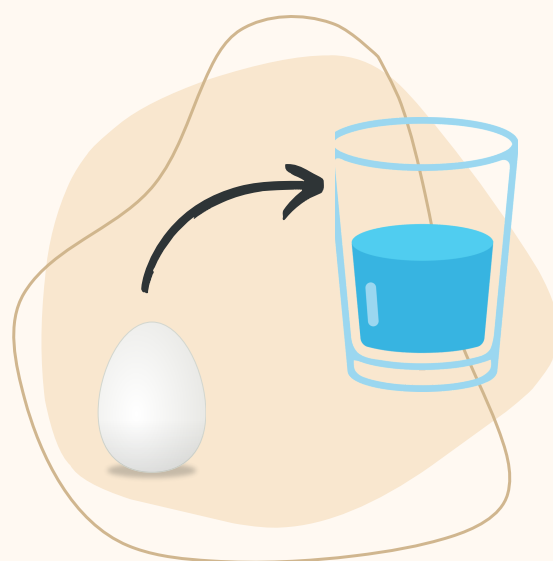
What do we need

- One egg
- Water
- Salt
- A tall drinking glass



Things to do

- Pour water into a glass, filling it about halfway.
- Gently place an egg into the water and watch it sink to the bottom.



- Carefully remove the egg from the glass.
- Generously add salt to the water, stirring until it fully dissolves.
- Place the egg back into the glass.
- Amazingly, the egg now floats instead of sinking.

Why is it so?

- The experiment is an excellent way to explore the concepts of sinking and floating. What causes an object to sink?
- It sinks when it is denser than the liquid it's in.



- For example, an egg will sink in water because it is denser than water. However, when salt is added to the water, it increases the water's density.
- This makes the water denser than the egg, allowing the egg to float instead of sink.