

Sinking Egg or Floating Egg



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Activity: Sinking Egg or Floating Egg

Objectives

1. To compare an egg will be floated or sunk, when it is placed onto three different types of water , water, salt water, and syrup.
2. To explain the reason why this egg can be sunk or floated .

Hypotheses

1. If you places an egg on a saline solution or a glucose solution, the egg will be floated.

1. If you places an egg on the water, the egg will be sunk.

Materials

1. Beaker

2. Egg

3. Water

4. Salt

5. Sugar

Method

1. Use three beakers, each beaker pours 500 mL of water.

1 : 500 mL water.

2 : 500 mL water + 20 g salt.

3 : 500 mL water + 20 g sugar.

2. Bring three eggs and put each one in each beaker.

3. Observation.

Table 1 The Sinking egg and Floating eggs

Beaker no.	Observation
1 (water)	Egg will be sunk into the bottom of the beaker.
2 (water + salt)	Egg will be floated in salt water.
3 (water + sugar)	Egg will be floated in sugar water.

Questions

1. Why was the egg floated?
(Because the densities of salt water and sugar water were higher density compared with water.)
2. Why was the egg sunk ?
(Because the densities of water is less dense compared with salt water and sugar water.)

Conclusions

1. An egg is sunk in water due to its more dense compared with water density.
2. The eggs placed in salt water and sugar water are floated due to less dense compared with salt water and sugar water.