

# The Floating Egg

**Concept:** Buoyancy

**Materials:**

- raw egg
- 3 tall, clear glasses
- salt
- water



**Thinking and Predicting Question:**

Which is more buoyant: saltwater or freshwater?

Will the amount of salt added to water affect its buoyancy?

**What to c**

Fill

Pla

Pu

No

more salt.)

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t, add

Now put half as much salt in glass #3 as you did in glass #2.

Place the egg in glass #3 and observe. (The egg should float, but not as high.)

Experiment with the amount of salt. Through trial and error, you may be able to get the egg to suspend itself in the middle of the liquid.

**Why this happens:**

Salt changes the density of the water, therefore causing objects to be more buoyant.

**Vocabulary:**

buoyancy – the ability of an object to float in water

Name: \_\_\_\_\_

# The Floating Egg

Draw a picture of an egg in a container of freshwater.

Draw a picture of an egg in a container of slightly salty water.

Draw a picture of an egg in a container of very salty water.

What is b



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How does the amount of salt added to the water affect buoyancy?

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Name: \_\_\_\_\_

## The Floating Egg

Draw a picture of an egg in a container of freshwater.

Picture should show an egg that sinks to the bottom.

Draw a picture of an egg in a container of slightly salty water.

Picture should show an egg that suspends in the middle, or floats to the top.

Draw a picture of an egg in a container of very salty water.

Picture should show an egg that floats high on the water.

What is bu

**Bt**



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How does the amount of salt added to the water affect buoyancy?

**Objects are more buoyant in saltwater than freshwater. The more salt you add, the more buoyant the object becomes.**