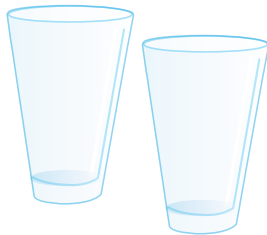




Salt Water Experiment

In addition to being the lowest point on Earth's surface, the Dead Sea in Israel is among the saltiest bodies of water in the world. It's so salty that people can easily float on the surface of the water. Learn about saltiness and buoyancy through the experiment below.

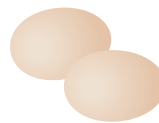
MATERIALS



2 tall glasses



¼ cup salt



2 eggs



Warm tap water

INSTRUCTIONS



fresh water

- 1 Fill the first glass $\frac{3}{4}$ full of warm water. Gently lower an egg into the water. Watch it sink.



- 2 Fill the second glass $\frac{3}{4}$ full of warm water.



- 3 Pour the salt into the second glass of water. Stir the water quickly until the salt dissolves.



salt water

- 4 Gently lower the second egg into the salt water. Watch it float.

What's Happening?

When the salt dissolves, it adds to the mass of the water and makes it more dense than it was. The denser the liquid, the easier objects float on it. Try experimenting with different amounts of salt in water to see how much it takes to make different objects float.