



HOME DEMO NO. 40

Eggs-Speriment

The oceans have always been salty, although most lakes and ponds are not salty. Do things float the same way in a lake or on the ocean?

What you need:

1. Two fresh raw eggs
2. Two drinking glasses
3. Tap water
4. Table salt
5. A small scale, like a postal rate scale

What you do:

1. Fill one glass with tap water.
2. Fill the other glass with the exact same amount of tap water and add five heaping tablespoons of salt. Mix well.
3. Carefully crack open an egg and gently set it on the surface of the tap water. What happens to the egg?
4. Now set the other egg on the salty water. Does the egg do the same thing?
5. Weigh the two glasses, and compare them. Which weighs more? If you suspect that your eggs don't weigh the same, try it again and weigh the water-filled

What's happening?

The light from the flashlight bends and follows the water out of the hole in the can. The inside of the can and the surface of the water stream act like mirrors to reflect the beam of light. The light bounces around inside the water, and follows it wherever it flows.