

Salinity Experiment Worksheet

Name: _____

Purpose of the Experiment: Observe the effect of salinity on buoyancy.

Procedure:

- Step 1:** Label cups 1, 2 and 3. Measure 1 and 1/4 cups of fresh water into each of the three cups.
- Step 2:** Place an egg in Cup 1. Do you think the egg will float or sink? Observe what happens. Record your observations below.
- Step 3:** Put one tablespoon of table salt in Cup 2. Stir to dissolve. When the salt disappears, gently remove the egg from Cup 1 and place it in Cup 2. Do you think the egg will float or sink? Observe what happens. Record your observations below.
- Step 4:** Put two tablespoons of table salt in Cup 3. Stir to dissolve. When the salt disappears, gently remove the egg from Cup 2 and place it in Cup 3. Do you think the egg will float or sink? Observe what happens. Record your observations below.

Results:

Cup 1	Cup 2	Cup 3
Fresh water	+1 TBS. Salt	+2 TBS. Salt
I observed _____	I observed _____	I observed _____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Conclusions: What have you learned about salinity and buoyancy from this experiment?