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♥ Marie



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Floating Egg Experiment Lab Sheet

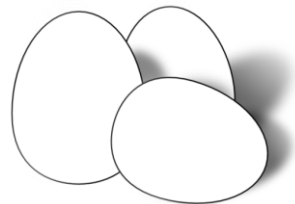
Walk through the Scientific Method observing, recording, analyzing, and drawing conclusions.

- Posing Question: Will an egg float in salt water or fresh water?
- Write a hypothesis: If I add 1 TBSP of salt to every $\frac{1}{2}$ cup of fresh water, a raw egg _____ float.
- Identify Variables:
 - ✓ Manipulated Variable: _____

 - ✓ Controlled Variable(s): _____

 - ✓ Responding Variable: _____

- Procedure:
 - ✓ Step 1: Gather Materials- raw eggs, clear glasses, water, spoon, and salt
 - ✓ Step 2: First, we are going to test to see if an egg floats or sinks in fresh water. Pour water into your glass until it is about $\frac{3}{4}$ full.
 - ✓ Step 3: Now, using a spoon lower an egg into the water. *Draw and record your findings in the Observation Table.*
 - ✓ Step 4: Next, fill up the second glass with fresh water until it too is $\frac{3}{4}$ full.
 - ✓ Step 5: After that, add about 1 TBSP of salt per $\frac{1}{2}$ cup of water. Stir until thoroughly dissolved.
 - ✓ Step 6: Using a spoon, lower an egg into the salt water. *Draw and record your findings in the Observation Table.*



Observation Table

Fresh Water Observations

Salt Water Observations

- Analyze Data & Draw Conclusions:

1.) Was your hypothesis correct? Explain. _____

2.) Why do you think the egg floats in one, but not the other? _____

3.) Which of the three, egg, fresh water, or salt water, is the densest?

4.) Which of the three, egg, fresh water, or salt water, is the least dense?

Extend the Learning: Fill your third glass up halfway with water. Put 2 tablespoons of salt into the water and mix until dissolved. Next, lower your egg into the salt water. Lastly, pour more fresh water on top of the egg that is floating in the salt water. Watch what happens! Draw your observations.

