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♥ Marie



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Does Fresh or Salt Water Freeze Faster?

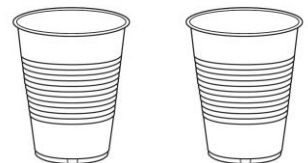
Walk through the Scientific Method observing, recording, analyzing, and drawing conclusions.

- Posing Question: Does fresh or salt water freeze faster?
- Write a hypothesis: If I freeze a cup of salt water and a cup of fresh water, then the _____ water will freeze faster.
- Identify Variables:
 - ✓ Manipulated Variable: _____

 - ✓ Controlled Variable(s): _____

 - ✓ Responding Variable: _____

- Procedure:
 - ✓ Step 1: Gather Materials- 2 plastic containers, water, spoon, salt, freezer
 - ✓ Step 2: First, label each of your containers, fresh and salt, so that you won't get them confused.
 - ✓ Step 3: Next, pour one cup of water into each container.
 - ✓ Step 4: Then, put 2 tablespoons of salt into one of the containers and stir until thoroughly dissolved.
 - ✓ Step 5: Now, put them both in the freezer and record your observations in the data table.
 - ✓ Don't forget to answer your concluding questions!



Fresh Water Freezing Data Table								
	20 min.	40 min.	60 min.	80 min.	100 min.	120 min.	140 min.	160 min.
Liquid								
Starting to Freeze								
Hard on Top								
Frozen								

Salt Water Freezing Data Table								
	20 min.	40 min.	60 min.	80 min.	100 min.	120 min.	140 min.	160 min.
Liquid								
Starting to Freeze								
Hard on Top								
Frozen								

• Analyze Data & Draw Conclusions:

1.) Was your hypothesis correct? _____

2.) Why do you think one froze faster than the other? _____

3.) Which liquid has a lower freezing point? _____

4.) In conclusion, does fresh or salt water freeze faster? _____