

Are you strong with the force? Name_____

The balloon and water

After watching the balloon make the water move, record your observations in the first column. In the second column create questions about your observations.

OBSERVATIONS	QUESTIONS (At least 3)

Interpret your data:

Was the water attracted or repelled by the balloon?	
What do you know about objects that are attracted to each other? Hint, think about the magnets.	
If a balloon becomes negatively charged when you rub your head on it, what charge must water have?	
Why was the balloon able to make the water move? Describe the force and the charges on each object.	

Bubble Races

Brainstorm with your team.

How will you make your bubble cross the finish line in the least amount of time? How can you make sure you have the strongest force between your balloon and your bubble so that you can pull your bubble faster than the other teams?

After the races, record any observations you made about your balloon and bubble as well as other teams' balloons and bubbles. You should also record anything you changed from your brainstorm and why you changed it. Record a few questions you have or can ask about your observations in the second column.

OBSERVATIONS	QUESTIONS (At least 3)

SUMMARY-After a class discussion, write a concluding paragraph answering the questions below. Make sure you support your statements with evidence from today's exploration.

- Why was the balloon attracted to the water/bubble?
- What is the force that caused this attraction?
- What happened if the balloon was too far from the water/bubble?
- What happened if the balloon was not rubbed on hair enough?

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.