

Title: Bending water

Purpose: To see how positive and negative electricity go together.

Introduction: When you have two positives or two negatives in electricity, they push apart, and when you have one positive and one negative, they stick together like glue.

Hypothesis: When I have a negative charge on a comb, positive charge water will bend toward the comb.

Materials:

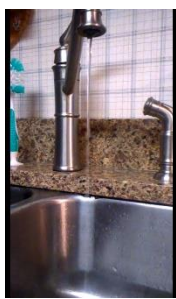
Comb

Hair (works best if really clean), wool, or fur

Small stream of water

Procedure: Turn on a faucet until you have a small stream of water like shown in picture 1. Take the comb and comb it through your hair many times. Hold the comb next to the water, but not touch the water until you see the water bend like in pictures 2, 3, and 4.

Data:



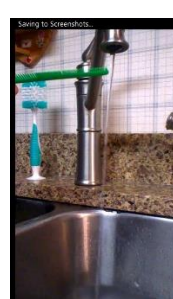
Picture 1



Picture 2



Picture 3



Picture 4

Conclusion: The hypothesis was supported. When the comb brushed through my hair, it took negative electricity with it, so I made static electricity with combing. Then, when I put the comb next to the water, the negative on the comb wanted to stick to the positive in the water. This made the water attract to the negative on the comb and it bent.

Sources:

<http://scifun.chem.wisc.edu/homeexpts/BENDWATER.html>

<http://www.sciencekids.co.nz/experiments/bendingwater.html>

<http://www.smarterthanthat.com/experiments/bending-water-with-a-plastic-comb/>