

ENERGY IN THE FORM OF ELECTRICITY

EXPERIMENTS

Experiment 1: Water Bending

Materials:

- Balloon
- Sink/or stream of water

Instructions:

1. Charge the balloon on your hair until your hair sticks to it.
2. Hold your stream of water so that it flows straight down.
3. Slowly move the charged side of the balloon towards the stream of water without actually touching it.

Experiment 2: Floating Salt and Pepper

Materials:

- Balloon
- Plate
- Salt
- Pepper

Instructions:

1. Sprinkle some salt and pepper on top of the plate.
2. Charge the balloon on your hair until your hair sticks to it.
3. Move the charged balloon towards the plate of salt and pepper without touching it.
4. See how much salt and pepper you can pick up!

Experiment 3: Pop Can Race

Materials:

- Empty/dried aluminum pop can
- Balloon
- Finish line
- Timer-optional

Instructions:

1. Place the pop can sideways on a flat surface.
2. Charge the balloon on your hair until your hair sticks to it.
3. Move the balloon close to the can until you start to see the can move.
4. Move the balloon towards your finish line, pulling the pop can.
5. You can race someone else, or time yourself to see how fast you can finish the race.

