



GATEWAY REGION YMCA

HOW AIR PRESSURE MOVES WIND

What makes wind move? Gases move from areas of high pressure to areas of low pressure. The greater the difference in pressure, the faster the wind moves. Explore this phenomenon using household items.

Supply List

- Balloon
- Empty Plastic Bottle
- Tape
- Cup with a little water with 2 drops any food coloring
- Plastic Straw
- Clothes Pin
- Scissors

Instructions

1. Gather all supplies, materials, and instructions.
2. Make a small, upside down V-mark incision on the lower half of the plastic bottle. Bend the cut plastic into the bottle, out of the way.
3. Place the straw in the incision and then tape in place, making sure to cover all open space around the straw and closing the hole.
4. Add water to the bottle and position the second empty container under the straw.
5. Blow up the balloon and pinch at the neck to prevent air from escaping.
6. While still pinching the balloon closed, attach the mouth of the balloon around the mouth of the bottle.
7. Release the neck of the balloon and allow the air to move into the bottle, being sure the empty container is positioned to catch any water escaping from the straw.



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