



CONSERVATION OF ENERGY + RESOURCES

Let's Talk ENERGY

IN-CLASS EXPERIMENT #1: Blow-up a Balloon Using Science!

MATERIALS (per person)

- Empty 2 litre pop bottle
(or any bottle about that size with a small neck)
- Balloon
- Baking Soda
- Vinegar
- Small funnel
- Teaspoon
- Small measuring cup

DIRECTIONS

1. Students will scoop the baking soda into the balloon using the funnel.
2. Students will put the vinegar into the flask using a pipette or small measuring cup.
3. Next, attach the balloon to the top of the flask; make sure not to pour the baking soda into the vinegar!

HYPOTHESIS QUESTION

- We will then count to 3 and everyone holds up their balloon so the baking soda falls into the vinegar, creating a chemical reaction and blowing up their balloon.





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IN-CLASS EXPERIMENT #2: Balloon Rocket

MATERIALS (per person)

- Balloons
- String (cut to about 2 metres)
- Straw
- Tape
- Scissors
- 2 chairs

DIRECTIONS

1. Students will begin by tying one end of the yarn to the back of a chair.
2. Students will then thread a drinking straw onto the other end of the yarn, and then tie it to the second chair.
3. Attach two pieces of tape (about 5 cm each) to the center of the straw and inflate the balloon.
4. Carefully attach the balloon to the straw using the tape.
5. Finally, pull the balloon to one end of the string (touching a chair), and let go of it!

