

# Balloon Blower

## What you need:

- Small balloon
- Small test tube
- Baking soda
- Vinegar
- Small spoon
- Small funnel

## What to do:

**1.** Stretch the balloon several times in all directions to soften it.

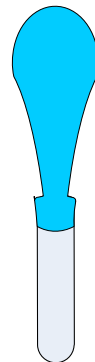
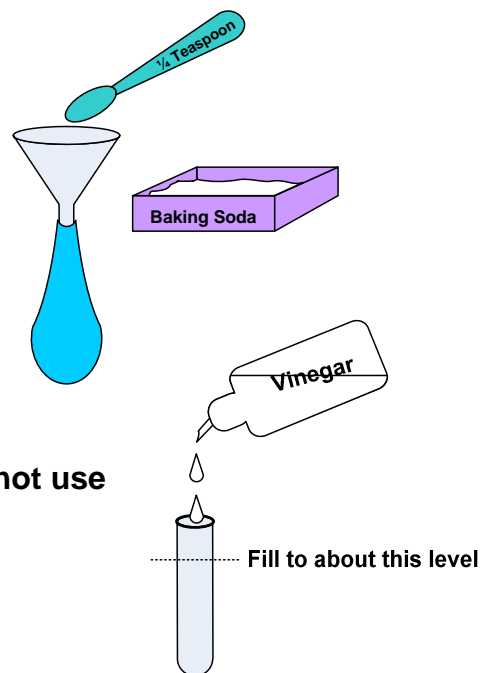
**2.** Put the funnel into the neck of the balloon and add a spoonful of baking soda. Gently shake the baking soda all the way down into the balloon.

**3.** Carefully fill a test tube about  $\frac{3}{4}$  full of vinegar. **Do not use the funnel for the vinegar.**

**4.** Ask a friend to hold the test tube while you stretch the neck of the balloon over the top of it.

**5.** While holding the neck of the balloon firmly on the test tube, gently straighten up the balloon and shake the baking soda out of the balloon into the test tube. Watch as the balloon inflates.

**6.** When your balloon stops inflating, pull it off the test tube and empty the test tube into the pan. You can take the test tube and the balloon home with you.



**How it works:**

When vinegar and baking soda mix together, they create a chemical reaction. This reaction releases a gas called carbon dioxide—the same thing that makes carbonated drinks like pop fizzy. Carbon dioxide is lighter than air, so it floats up into the balloon on top of the test tube. As the carbon dioxide rises, it forces the balloon to inflate.