



Baking Soda Balloons

YOU WILL NEED

BAKING SODA
VINEGAR
BALLOON
THIN NECK BOTTLE
FUNNEL/SPOON

HOW TO DO IT

For best results, use an empty water or soda bottle. Add approximately 1 cup of vinegar to the bottle. Add 1/3 of a cup of baking soda into the balloon (use a funnel or spoon). Attach the balloon to the mouth of the bottle. Be careful not to dump any of the baking soda until you are ready to begin the experiment! When ready, hold the balloon upright to empty the contents into the bottle - watch for an instant chemical reaction!



The Science Behind It

When an acid and a base mix, they form a gas called carbon dioxide (CO₂). Here the vinegar is the acid and the baking soda is the base. When the two substances mix, atoms are exchanged causing a chemical reaction that releases gas bubbles that get trapped by the balloon and make it inflate!