



EXPANDING BALLOON

SCIENCE SAFETY

PLEASE follow these safety precautions when doing any science experiment.

- **ALWAYS** have an adult present.
- **ALWAYS** wear the correct safety gear while doing any experiment.
- **NEVER** eat or drink anything when performing any experiments.
- **REMEMBER** experiments may contain marbles, small balls, balloons, and other small parts. Those objects could become a **CHOCKING HAZARD**. Adults are to perform those experiments using these objects. Any child can choke or suffocate on uninflated or broken balloons. Keep uninflated or broken balloons away from children.

INGREDIENTS

- Vinegar
- Baking Soda
- Balloon
- Bottle

INSTRUCTIONS

STEP 1: Add the baking soda to the balloon.

Eye Safety



This symbol appears when a danger to the eyes exists. Safety goggles should be worn when this symbol appears.

STEP 2: Pour the vinegar into the bottle.

Eye Safety



This symbol appears when a danger to the eyes exists. Safety goggles should be worn when this symbol appears.

STEP 3: Without dropping in the baking soda, stretch the balloon over the opening of the bottle.

Eye Safety



This symbol appears when a danger to the eyes exists. Safety goggles should be worn when this symbol appears.

STEP 4: Hold up the balloon and allow the baking soda fall into the bottle and observe.

Eye Safety



This symbol appears when a danger to the eyes exists. Safety goggles should be worn when this symbol appears.

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EXPLANATION

When you mixed the baking soda with the vinegar you caused a chemical reaction that created carbon dioxide gas. The carbon dioxide gas caused the balloon to expand.