



BALLOON IN A BOTTLE

Ingredients

- Balloon
- Empty Water Bottle

Science Terms

- **Pressure** – The force produced by pushing or pressing on something.
- **Air** - Air or Earth's atmosphere is the layer of gases surrounding the planet Earth.

Instructions

STEP 1: Insert the balloon into the empty water bottle and pull the neck of the balloon over the outside of the empty water bottle.

STEP 2: Place your mouth over the opening of the empty water bottle and attempt to inflate the balloon.



Explanation

The air inside the bottle was trapped when you placed the balloon over the outside of the empty water bottle. When you attempted to inflate the balloon the trapped air inside the bottle stopped you from blowing up the balloon. If you force a small hole in the side of the bottle, and then attempt to inflate the balloon, the air you blow inside the balloon will force the air trapped inside the bottle through the hole and the balloon will inflate.

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