



ELEPHANT'S TOOTHPASTE

Ingredients

- 20 oz Plastic Bottle
- Hydrogen Peroxide
- Yeast
- Dishwashing Liquid
- Warm Water
- Plastic Cup

Science Term

- **Catalyst** – A substance that speeds up a chemical reaction.
- **Exothermic Reaction** – Describes a chemical reaction that gives off heat energy.

Instructions

STEP 1: Fill the 20 oz plastic bottle half of the way with hydrogen peroxide.

STEP 2: Add some dishwashing liquid to the hydrogen peroxide.

STEP 3: Mix a pack of yeast with the warm water.

STEP 4: Pour the yeast and water mixture into the 20 oz plastic bottle.

Explanation

The yeast quickly breaks down the hydrogen peroxide into oxygen and water. The dishwashing liquid mixes with the water and creates foam. As the oxygen is released it quickly pushes the foam out of the container creating elephant's toothpaste. You can discover more hands-on experiments by going to www.hookedonscience.org.



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