

3. Elephant Toothpaste

What is a catalyst?

Do the Experiment!

MATERIALS



- ❖ Water Bottles
- ❖ Aluminum Pan
- ❖ Gloves
- ❖ Safety Goggles
- ❖ Hydrogen Peroxide—6%
- ❖ Funnel
- ❖ Soap
- ❖ Food Coloring
- ❖ Yeast
- ❖ Measuring Spoon
- ❖ Dixie Cup
- ❖ Hot Pot
- ❖ Craft Stick

1. Find a partner.
2. Put on your gloves and safety goggles!
3. Carefully measure 2 ounces of 6% hydrogen peroxide into a measuring cup. Use a funnel to pour the peroxide into the water bottle.
4. Squirt some dishwashing soap into your water bottle filled with 6% hydrogen peroxide. Mix the soap and peroxide by slowly and carefully swirling the contents of the flask.
5. Add three drops of food coloring to the soap and peroxide solution. Mix all three chemicals by swirling the water bottle slowly and carefully.
6. Add 1 tablespoon of yeast to your Dixie cup. Add 2 tablespoons of warm water to the yeast. Using a craft stick, stir for 2 minutes.
7. Pour the yeast solution into the water bottle. Watch what happens! After a moment touch the side of the water bottle.
8. Write down your observations in your journal.

