

Elephant Toothpaste

Experiment Supplies

yeast packet (0.25 oz)
dish soap
1/2 c. 3% hydrogen peroxide
3 Tbspn warm water
food coloring
1/2 c measuring cup
funnel
empty water bottle
cake pan
small bowl
measuring spoon (1 Tbspn)
small spoon
safety glasses

Experiment Directions

1. Place the empty water bottle in the cake pan. Put on safety glasses. Hypothesize what will happen when the ingredients are mixed together.
2. Pour 1/2 cup hydrogen peroxide into the empty bottle using a funnel.
3. Squirt a small amount (about 1 Tbspn) of dish soap into the bottle. Gently swirl the bottle to mix contents.
4. Add some drops of food coloring. The more drops you add, the darker the color will be. Gently swirl the bottle again to mix the contents.
5. Empty the yeast packet into a small bowl. Add 3 Tbspn of warm water. Mix with a spoon until the yeast is completely dissolved. (It looks a little like chocolate milk when it was ready.)
6. Dump all of the contents from the bowl into the bottle using the funnel. Remove the funnel quickly.
7. Observe. Foam and bubbles should ooze out of the water bottle. Feel the side of the bottle. It should feel warm because heat is created. (Do not attempt to put any of it in your mouth.)
8. Conclude. Did what you had predicted happen?
9. Clean up by pouring the foam down a sink with some water.

