












Elephant Toothpaste

Materials

-  1 large glass flask (or similar container)
-  $\frac{1}{2}$ cup of 10% hydrogen peroxide
-  Large tray
-  $\frac{1}{4}$ cup warm water
-  1-2 tablespoons dry yeast
-  5-10 drops of food coloring
-  1-2 tablespoons dish soap
-  Small $\frac{1}{2}$ cup beaker (or similar container)
-  Stir sticks
-  Gloves
-  Goggles

Students will learn about chemical reactions as they carry out a controlled experiment.

6th - 8th
Grade

Directions

Have a clear clean surface and make sure to wear goggles and gloves before beginning experiment.

Instructions

1. Pour $\frac{1}{2}$ cup of hydrogen peroxide into the large glass container. Place container on large tray to contain mess.
2. In separate beaker, combine $\frac{1}{4}$ cup of warm water and 1-2 tablespoons of yeast. Stir and mix.
3. Mixture might get cloudy or clumpy, but keep swirling and try for cohesive solution.
4. Add 5-10 drops of food coloring down the edges. Add 1-2 tablespoons of dish soap to hydrogen peroxide.
5. Pour the yeast mixture into the hydrogen peroxide, swirl, and watch.

Tips

- Reaction will get warm, so let it sit for 2-3 minutes to avoid any mild burns.
- Elephant toothpaste is safe to touch after 3 minutes.

Clean up

All materials can be safely disposed of in the sink, ensuring to wash with warm soapy water. Dispose of gloves in trash receptacle.

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