



In this new series from PBS North Carolina, Ava and friends explore the world of science through hands-on experiments. In the episode “Rotten Banana,” Ava and Elijah mix up “elephant toothpaste” to learn how molecules break apart and change form.

To learn more, visit pbsnc.org/MiniFab.

Elephant Toothpaste Experiment

Materials

- Safety goggles
- A clean 16-oz plastic soda bottle
- ½ cup 20-volume hydrogen peroxide liquid
- 1 tablespoon (one packet) dry yeast
- 3 tablespoons warm water
- 1 tablespoon liquid dish soap
- Food coloring
- Small cup

Instructions

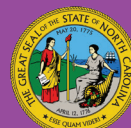
Since the foam will overflow, do this experiment on a washable surface.

1. Safety first: Put on your goggles as hydrogen peroxide can irritate your eyes.
2. Ask an adult to carefully pour the hydrogen peroxide into the bottle.
3. Add 8 drops of food coloring.
4. Add dish soap and swish bottle around to mix it.
5. In a separate cup, combine warm water and yeast, mixing for 30 seconds.
6. Pour yeast mixture into the bottle and watch the foaminess begin.

Activity courtesy of Scholastic



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