­­­­­­­­**Purpose:** Make foam that looks like toothpaste for elephants and test if different parameters influence the amount of foam produced.

# The elephant toothpaste

**Vocabulary:**

Describing amounts: small, big, a lot, a little, half a teaspoon, two teaspoons

Describing the shape and the size of the glass: tall, narrow, conical, wide, big, small

If food colouring is used, you could also train colour vocabulary.



Find out whether it is allowed to use hydrogen peroxide in your school and what kind of safety rules apply to this chemical. Even though the foam looks like toothpaste, you must not put it in your mouth! Make sure to wear goggles, gloves and lab coat and to do the experiment on a washable surface.

**Material:**

* 10 ml hydrogen peroxide(10 %)
* food colouring (optional)
* 1 teaspoon dish soap
* 1 teaspoon dried yeast
* warm water
* narrow and tall glass (250 ml)
* cup
* goggles
* lab coat
* gloves

**Procedure:**

1. Draw the materials needed.
2. Pour dish soap into the glass.
3. Add some colour if you want.
4. Dissolve the yeast in a little amount of warm water in the cup.
5. Let your teacher pour 10 ml hydrogen peroxide into the glass with the dish soap.
6. Let your teacher pour the yeast water mixture into the glass.
7. Watch what happens.
8. Design an experiment to test if the size of the glass affects the amount of foam produced.
9. Design an experiment to test if the shape of the glass affects the amount of foam produced.
10. Design an experiment to investigate if the amount of yeast affects the amount of foam produced.
11. Which other variables do you think could affect the amount of foam produced? Choose one of these parameters and design an experiment to test if you are right.