



Foaming with Fun

Introduction: Lets help elephants with their hygiene by making elephant toothpaste.

Approximate Time: 10 minutes

Materials:

- Empty water bottle
- Warm water
- Liquid Dish Soap
- Cup/ Small Bowl
- Measuring Cups
- Funnel
- Packet of active yeast
- 3% hydrogen peroxide
- Optional: Food coloring(to color foam)
- Optional: Scissors (to open yeast)



Procedure:

1. The foam created in the experiment will overflow onto your worksurface, so perform the experiment somewhere easy to clean up
2. Wash out the plastic bottle if it contained anything other than water
3. Fill the cup/ small bowl with warm water
6. Mix the active yeast in the water. Wait 5 minutes and check if the yeast is bubbling slightly
7. Use the funnel to pour $\frac{1}{2}$ cup of dish soap into the bottle. Have a parent pour 1 cup of hydrogen peroxide in the bottle with the help of the funnel
8. Optional: Add 5 drops of food coloring to the bottle
9. Mix the contents of the bottle carefully
10. Have a parent pour the yeast mixture into the bottle. The reaction will immediately occur

Tips & Tricks:

- Make sure the hydrogen peroxide used is 3%. Higher concentrations can be dangerous
- If the yeast is not bubbling, it might be dead. Use a new packet
- Add more food coloring for a brighter color
- The foam created is just soap, water, and oxygen. It can be cleaned up with a towel or sponge. Any remaining liquid can be washed down the drain