

FIG at Home

FOAM VOLCANO

Watch colors erupt using household items in this foamy at home science experiment.

MATERIALS

- Clear jar: Mason jars and Voss water bottles work well
- Warm water
- Dry yeast
- Small, easy to pour cup or glass
- Hydrogen peroxide (3% solution, found at nearly all stores and pharmacies)
- Liquid dish soap
- Food coloring or liquid watercolor
- Baking dish or sheet with sides

INSTRUCTIONS

1. In the small, easy to pour container, mix about a tablespoon of yeast with about a 1/3 cup warm water. Gently mix and allow to sit for a minute or two to activate.
2. In your large, clear bottle pour about 2 inches or so of hydrogen peroxide.
3. Add some liquid color. Go ahead and make the color very bold! Stir or gently shake to mix the color and peroxide.
4. Add in about two to three tablespoons of dish soap into the peroxide mixture. This experiment is great because you do not have exact measurements of ingredients for it to be fun and successful.
5. Place the bottle with the soap and peroxide mixture into the baking dish.
6. Pour the yeast and water mixture into the peroxide. The reaction is very quick! The mixture starts to foam and explode rapidly as the yeast enzymes break down the hydrogen peroxide into oxygen and water. As it breaks down, the oxygen gets trapped in the soap to make the mixture foam like crazy!
7. For additional fun, try different sized jars or containers. Or mixing colors by adding a bit of food coloring to the yeast mixture.

