

# CREATE BUBBLES AND HEAT WITH SIMPLE CHEMISTRY!

## YOU WILL NEED:

- 1 tsp (5ml) dry yeast
- 1/2 cup (120 ml) hydrogen peroxide (should be handled only by adults)
- stirring stick
- thermometer

## WHAT TO DO

1. Record the temperature of the hydrogen peroxide and place it in a small bowl
2. Add the dry yeast to the peroxide and stir
3. Watch for changes in the mixture and the temperature



## HOW DOES IT WORK?

Hydrogen peroxide is  $H_2O_2$ . That means it is water with an extra oxygen. The yeast contains a chemical called catalase that releases the oxygen creating the bubbles and it also releases heat (an exothermic reaction.) This is a simple version of our Fantastic Foamy Fountain experiment.

## MAKE IT AN EXPERIMENT:

You can make this a true experiment by adjusting the amount of yeast and peroxide to try to get the greatest increase in temperature. You can also dissolve the yeast in water before adding it to the peroxide to see if that has an effect.