





**1** Hydrogen Peroxide and Activated Yeast

**Objective:**  
To observe the reaction between hydrogen peroxide and yeast.  
To observe the production of gas.  
To observe the decomposition of hydrogen peroxide.  
To observe the effect of temperature on the reaction.

**Materials:**  
Hydrogen peroxide  
Yeast  
Water  
A test tube  
A test tube rack  
A beaker  
A hot water bath  
A cold water bath  
A thermometer

**Procedure:**  
1. Pour 10 mL of hydrogen peroxide into a test tube.  
2. Add 1/2 tsp of yeast to the test tube.  
3. Observe the reaction.  
4. Repeat the experiment using a hot water bath and a cold water bath.

**Results:**  
The reaction between hydrogen peroxide and yeast produces a gas. The gas is produced more rapidly in the hot water bath than in the cold water bath.

**Conclusion:**  
The reaction between hydrogen peroxide and yeast is exothermic. The reaction is more rapid at higher temperatures.

**#1**

Classroom Resource









































