

1. **Introduction**  
2. **Objectives**  
3. **Materials**  
4. **Procedure**  
5. **Results**  
6. **Discussion**  
7. **Conclusion**

## Abstract

The purpose of this experiment is to determine the effect of temperature on the rate of reaction between hydrogen peroxide and potassium iodide. The reaction is catalyzed by the enzyme catalase. The rate of reaction is measured by the volume of oxygen gas produced over a fixed period of time. The results show that the rate of reaction increases with increasing temperature, up to a certain point, after which it decreases. This is due to the fact that the enzyme becomes denatured at high temperatures.

The following table shows the results of the experiment. The rate of reaction is expressed as the volume of oxygen gas produced per minute.

Temperature (°C)	Volume of Oxygen Gas Produced (ml)
10	1.5
20	2.5
30	3.5
40	4.5
50	3.5
60	2.5

The graph below shows the relationship between temperature and the rate of reaction. The rate of reaction increases with increasing temperature, up to a certain point, after which it decreases.



1. **Introduction**  
2. **Objectives**  
3. **Materials**  
4. **Procedure**  
5. **Results**  
6. **Discussion**  
7. **Conclusion**

## Abstract

The purpose of this experiment is to determine the effect of temperature on the rate of reaction between hydrogen peroxide and potassium iodide. The reaction is catalyzed by the enzyme catalase. The rate of reaction is measured by the volume of oxygen gas produced over a fixed period of time. The results show that the rate of reaction increases with increasing temperature, up to a certain point, after which it decreases. This is due to the fact that the enzyme becomes denatured at high temperatures.

The following table shows the results of the experiment. The rate of reaction is expressed as the volume of oxygen gas produced per minute.

Temperature (°C)	Volume of Oxygen Gas Produced (ml)
10	1.5
20	2.5
30	3.5
40	4.5
50	3.5
60	2.5

The graph below shows the relationship between temperature and the rate of reaction. The rate of reaction increases with increasing temperature, up to a certain point, after which it decreases.

