

Ежедневный отчет о выполненных работах МБУ "Благоустройство"

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**Figure 1**

Diagram illustrating the experimental setup for measuring the effect of temperature on the rate of reaction between hydrogen peroxide and potassium iodide.

The diagram shows a test tube containing a mixture of hydrogen peroxide ( $\text{H}_2\text{O}_2$ ) and potassium iodide ( $\text{KI}$ ). The test tube is placed in a water bath at a specific temperature. A gas syringe is connected to the test tube to measure the volume of oxygen gas produced during the reaction.

The reaction is represented by the following equation:

$$\text{H}_2\text{O}_2 + \text{KI} \rightarrow \text{I}_2 + \text{KOH}$$

The experiment involves measuring the time taken for a fixed volume of oxygen gas to be produced at different temperatures, allowing the calculation of the rate of reaction.

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