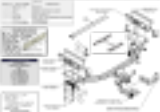


QUESTION

1. What is the main purpose of the study?

2. What are the independent and dependent variables?

3. What is the research hypothesis?



ANSWER

1. The main purpose of the study is to investigate the effect of temperature on the rate of photosynthesis.

2. The independent variable is Temperature (°C) and the dependent variable is the rate of photosynthesis (measured by the volume of oxygen produced).

3. The research hypothesis is that the rate of photosynthesis will increase with temperature up to an optimal point, after which it will decrease.

4. The results of the study show that the rate of photosynthesis increases with temperature up to 25°C, after which it decreases.

5. The optimal temperature for photosynthesis in this study is 25°C.

6. The results of the study support the research hypothesis.

7. The study has several limitations, including the use of a single plant species and the lack of control over light intensity.

8. Further research should be conducted to investigate the effect of light intensity on the rate of photosynthesis.