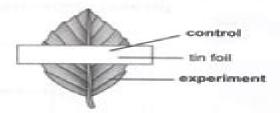
Practical Investigation: Light is essential for photosynthesis



Method

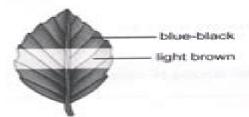
- Destarch a potted plant with green leaves (place the plant in a dark cupboard for 48 hours).
- Cover a portion of a leaf with tin foil. (The leaf must remain attached to the plant.)
- Place the plant in the sun for approximately 48 hours.
- Pick the leaf and remove the foil.
- Test for the presence of starch as in the Investigation on p. 2.4.

The experiment is the part of the leaf that is exposed to light, while the control is the part that is covered with tin foil.



Results

- The iodine solution in the control remains light brown.
- The iodine solution in the experiment turns from light brown to blue-black.



Deduction

The parts that are blue-black contain starch due to photosynthesis.

Conclusion

Light is essential for photosynthesis.

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Daniela Niemeyer

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