

Combined Science - Biology - Key Stage 4
Bioenergetics

Photosynthesis Required Practical

Miss Strmec



Recall Questions:

1. What are the three scientific variables?
2. What is the variable that you change?
3. What is the variable that you measure?
4. What is the variable that you keep the same?
5. What is a hypothesis?



Independent Practice:

Write a method for a practical that will investigate the effect of temperature on the rate of photosynthesis.



Independent Practice:

Complete the results table for a practical that got the following results:

With the lamp at a distance of 10cm (0.1m) from the pondweed, the student counted 26 bubbles of oxygen in 1 minute.

Moving the lamp to 20cm, the student repeated the experiment and counted 25 bubbles in 1 minute.

At 30cm, 21 bubbles were counted, at 40cm there were 15 bubbles and at 50 cm (0.5m) there were 8 bubbles.

