

Combined Science - Biology - Key Stage 4

Mid-topic Review

Miss Strmec



Independent practice

Fill in the blanks:

1. _____ + water → _____ + oxygen
2. ___ H_2O + ___ CO_2 → $\text{C}_6\text{H}_{12}\text{O}_6$ + ___ O_2
3. The reactants of photosynthesis are _____ and _____. The products of photosynthesis are the _____ and _____.
4. _____ is the green pigment that absorbs light for photosynthesis.
5. The _____ energy from the sun is absorbed for photosynthesis.
6. _____ is the chemical formula for glucose.



Independent Practice

Exam Style Question:

Plants can use the glucose they have made during photosynthesis to make cellulose for their cell walls.

Give **four** other ways in which plants use the glucose they have made.

(4 marks)



Independent Practice

For the following hypothesis, write down the independent, dependent and control variables:

As the temperature increases, the rate of photosynthesis will also increase to an optimal point.

(4 marks)

