

Exam-Style Questions 1

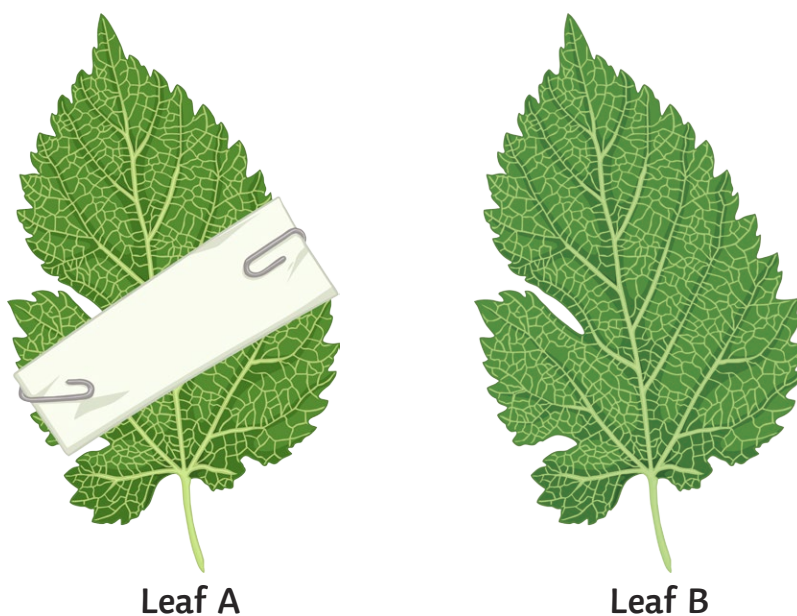
1. Complete the equation for photosynthesis.

carbon dioxide + _____ \longrightarrow _____ + oxygen

What type of energy is required for photosynthesis? _____

What is the source of this energy? _____

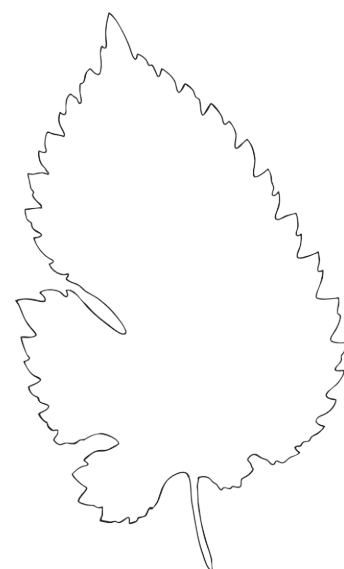
2. A student placed a plant into a dark cupboard and then partially covered one leaf (leaf A) with a piece of card. After two days, she carried out a test for starch on leaf A and one other leaf, as shown below.



When iodine was added to leaf B it turned completely black.

Which parts of leaf A would turn black?

Shade these areas on the leaf below, and explain your answer.



Exam-Style Questions 1 Answers

1. Complete the equation for photosynthesis.

carbon dioxide + **water** \longrightarrow **glucose** + oxygen

What type of energy is required for photosynthesis? **light**

What is the source of this energy? **sun**

2. A student placed a plant into a dark cupboard and then partially covered one leaf (leaf A) with a piece of card. After two days, she carried out a test for starch on leaf A and one other leaf, as shown below.

When iodine was added to leaf B it turned completely black.

Which parts of leaf A would turn black?

Shade these areas on the leaf below, and explain your answer.

The card stops the light from getting to the leaf and therefore the leaf cannot produce starch. This means only the uncovered areas would turn black.

