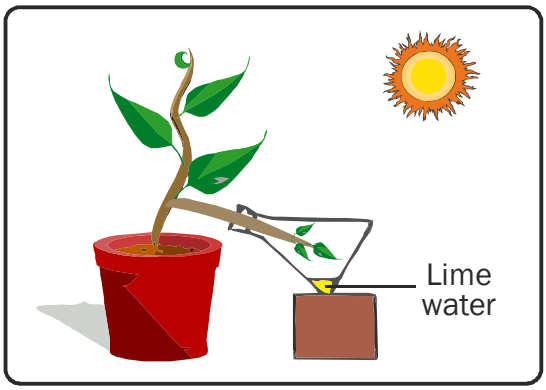
01 Study the diagram below.



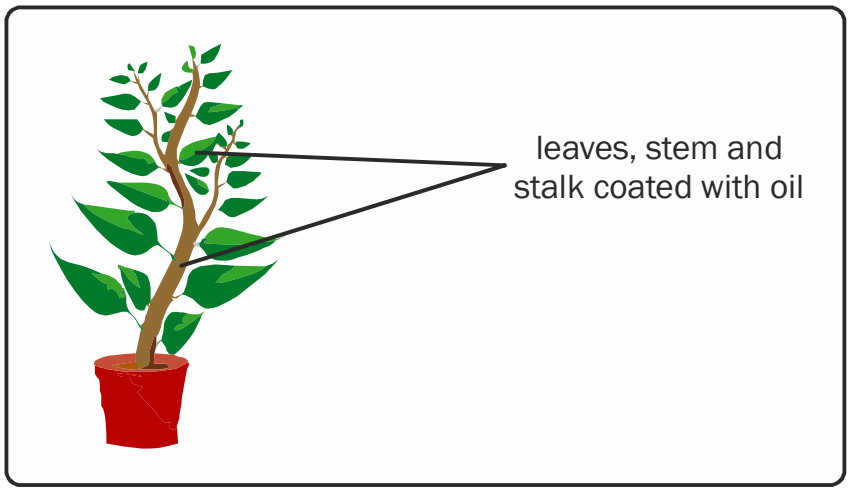
A branch from the plant sown is clamped inside a conical flask containing some limewater.

(a) What happens to the limewater after a few hours ?

(b) Explain your answer in (a).

Your solution here:

02 In an experiment, Keith spreads oil over the stem, leaf stalks and both surfaces of the leaves of a plant, as shown in the diagram below. He puts the plant near an open window and waters it every day.

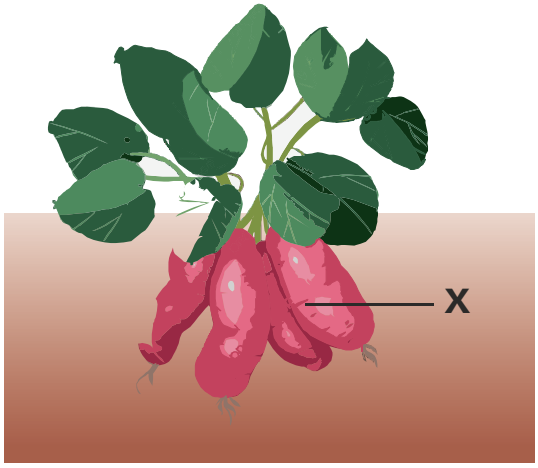


(a) What do you think will happen to the plant after a week ?

(b) Explain your answer in (a).

Your solution here:

03 Study the diagram below.

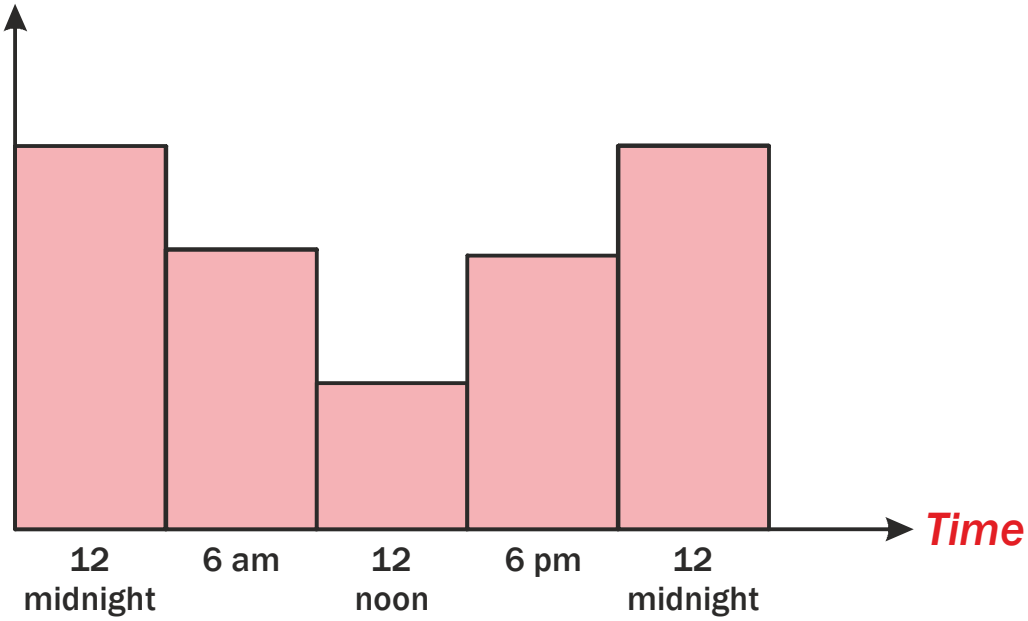


(a) This is a picture of a sweet potato plant. Name the part of the plant labelled 'X' ?

(b) How is Part 'X' useful to the plant ?

Your solution here:

04 The bar graph below shows the change in the amount of carbon dioxide in the air over a period of twenty-four hours in a park.

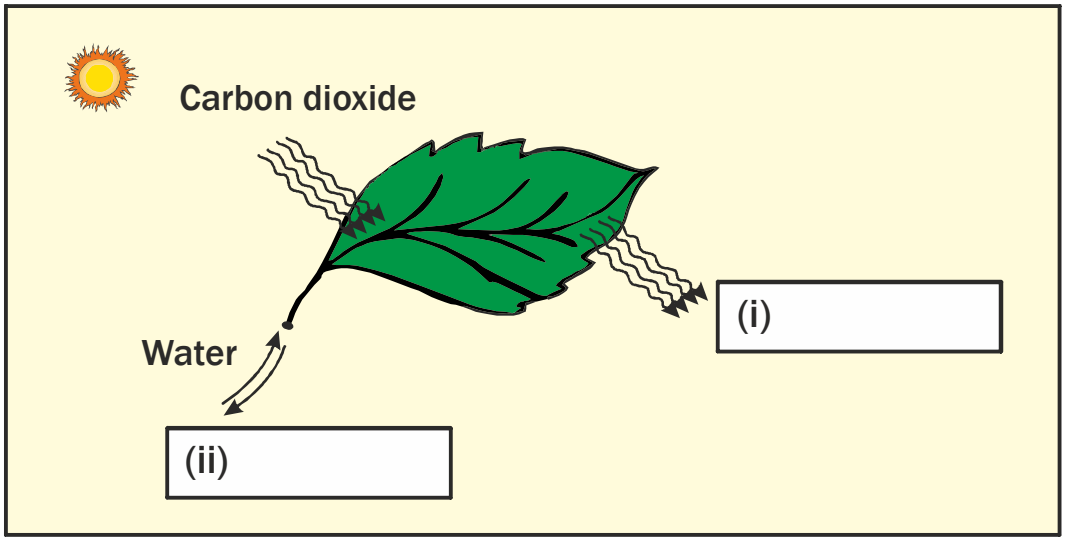


(a) What do you notice about the amount of carbon dioxide within this period of time ?

(b) Explain your answer for part (a).

Your solution here:

05 The diagram below shows a process that takes place in the leaves of plants.



(a) Identify the products that are produced in the process shown below. Write down the product in the boxes.

(b) Why is this process important ?

Your solution here: