

Name: _____

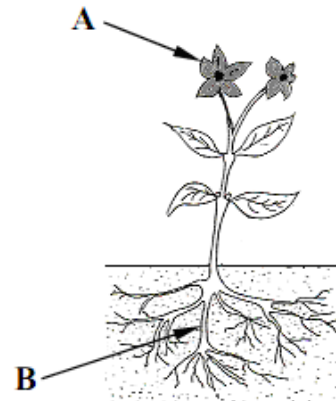
Q.1

(a) The diagram shows a flowering plant.

Name the parts of the plant labelled A and B.

Name A _____

Name B _____



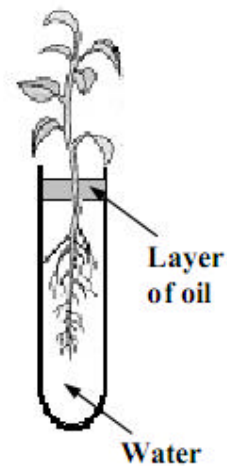
(6)

Q.2

The diagram shows an investigation to study water movement in plants.
Answer the following questions.

What would you expect to happen to the level of water in the test tube after a few days?

Which part of the plant takes in the water?

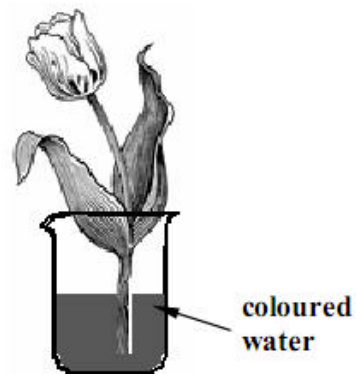


(6)

Q.3

A white flower was placed in coloured water for a few days as shown in the diagram.

What effect would you expect this to have on the flower?



What conclusion can be drawn about the movement of water in plants?

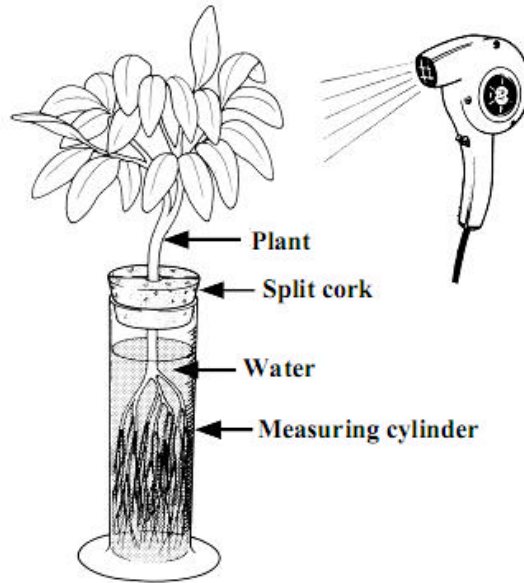
(6)

(a) Water vapour leaves plants through pores in their leaves into the atmosphere.

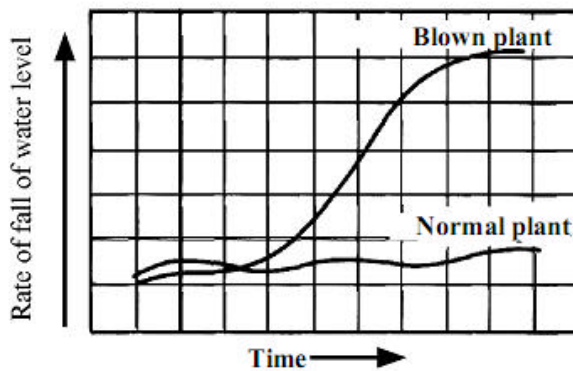
(i) What is this loss of water by plants called? (3)

A pupil did an experiment to investigate this loss of water by plants. The apparatus that she used is shown in the diagram. The rate at which the water level fell (water loss) in the measuring cylinder was measured at regular time intervals, first for a plant without the hair dryer (normal plant) and then for a plant with a hair dryer blowing warm air over the leaves (blown plant).

The pupil used the data obtained to draw the graph below.



(ii) Examine the graph and comment on the rate of water loss by the 'normal plant'. (3)



(iii) Examine the graph and comment on the rate of water loss by the 'blown plant'. (3)

(iv) What **two factors** were different for the 'blown plant'? (6)

- 1 _____
- 2 _____

(v) Name the tissue that transports water up the plant from roots to leaves. (3)
