

GCSE Biology A (Gateway)

J247/01 B1-B3 and B7 Foundation (Foundation Tier)

Question Set 6

1

A student wants to compare the transpiration rates of two plants.

The plants have different sized leaves.

Fig. 1.1 shows how she sets up her experiment.

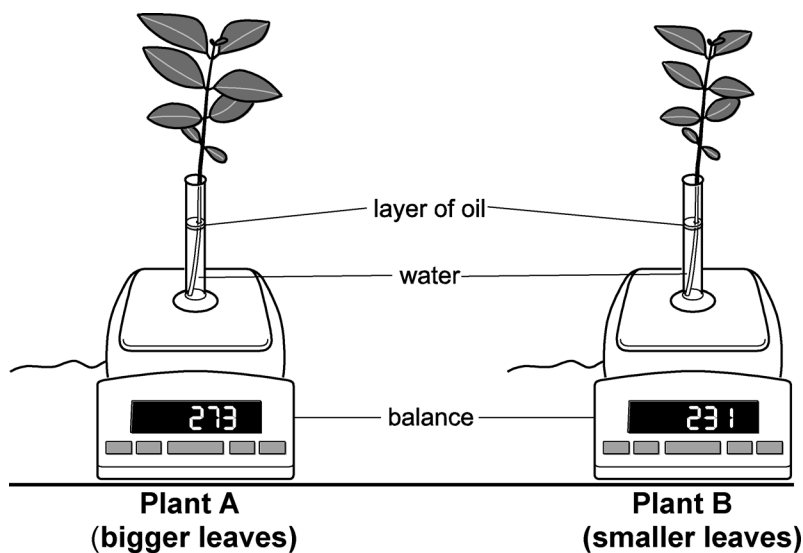


Fig. 1.1

(a) Suggest why the student put a layer of oil on top of the water.

[2]

(b) The student makes sure that each plant has the same number of leaves.

Which other experimental conditions should she keep the same?

[3]

(c)* The table shows the results of the experiment shown in Fig. 1.1.

	Plant A (bigger leaves)	Plant B (smaller leaves)
Mass at start (g)	261	273
Mass after 24 hours (g)	228	231

Write a conclusion with an explanation about this experiment.

Use the results and calculations in your answer.

[6]

Total Marks for Question Set 6: 11

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