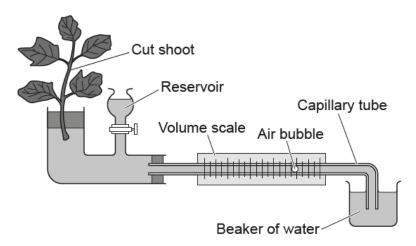
## Ideas about Science - 2022 GCSE 21st GCSE Biology B

1. May/2022/Paper\_J257/01/No.10

Kai is investigating transpiration in plants. The diagram shows a potometer.



(a) Put sentences A to E in the correct order to describe how Kai can use the equipment in the diagram to measure transpiration rate.

One has been done for you.

- A Cut a shoot and place it in the potometer.
- B Seal gaps with petroleum jelly.
- C Fill the potometer with water.
- **D** Leave for a set amount of time and record the new position of the air bubble.
- **E** Note the position of the air bubble.

<u> </u>		
C		

[3]

**(b)** Kai thinks temperature affects the rate of transpiration.

Describe how Kai could use the equipment in the diagram to investigate the effect of temperature on the rate of transpiration.	
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	13.

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(c) Name the vessel that transports sugars in plants.