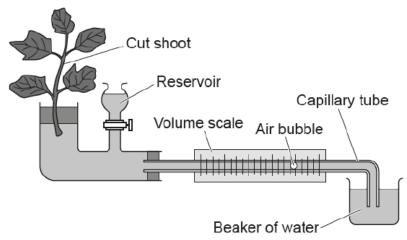
## Practical Skills - 2022 GCSE 21st GCSE Biology B

## 1. May/2022/Paper\_J257/03/No.6

Kai is investigating transpiration in plants. He sets up a potometer, as shown in the diagram.

Kai fills the potometer with water, then inserts a cut shoot and checks that none of the apparatus is leaking.



(a)	Describe how Kai can use the potometer he has set up to investigate the rate of transpiration in a plant.
	[2]
(b)	Kai wants to compare the rate of transpiration in cut shoots from <b>two</b> species of plant.
	He uses the potometer to investigate one of the species, and then repeats the experiment with the other.
	State <b>three</b> variables that Kai should control with the plant shoots so that he can compare the results from the two species.
	Variable 1
	Variable 2
	Variable 3
	[3]

## ocrsolvedexampapers.co.uk

(c) Kai finds that the rate of transpiration is different for the two species.

species. He prepares two slides to investigate this.
Describe how Kai can use a microscope to work out the number of stomata per cm <sup>2</sup> on the leaves of the two plant species.
[3]