

## **GCSE Biology B (Twenty First Century Science)**

J257/02 Depth in Biology (Foundation)

**Question Set 7** 

1 A teacher shows a plant to three students, Ben, Ling and Kai.



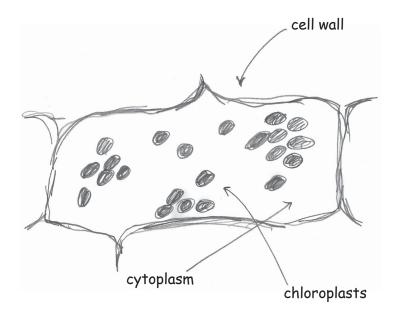
The teacher says it could be either a real living plant or a plastic plant.

She challenges the students to investigate whether the plant is real.

(a) Ben takes a small piece of leaf from the plant. He places the piece of leaf on a microscope slide. He looks at the slide using a light microscope.

The piece of leaf appears to be made of cells.

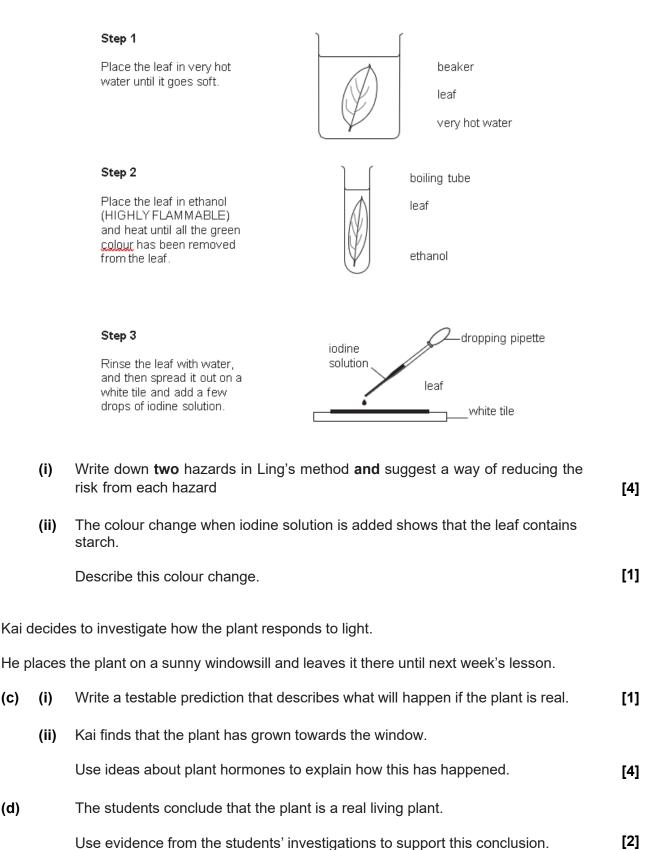
Ben draws a scientific drawing of what he sees



Ben could draw a better scientific drawing without changing the slide or the microscope.

Describe **four** ways Ben could improve his scientific drawing.

(b) Ling knows that living plants store glucose as starch. She tests a leaf from the plant for starch. Here is her method.



## **Total Marks for Question Set 7: 16**

(c)

(d)



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