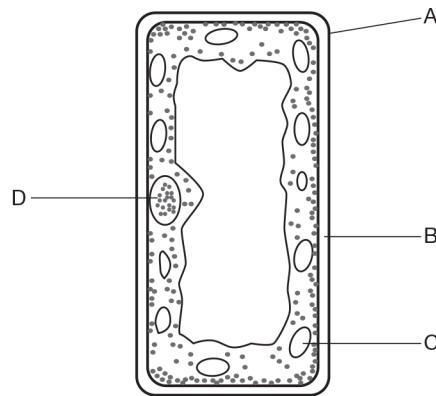


1.1 The image below shows a plant cell.



a Label the parts of the cell A–D. (4 marks)

- A
- B
- C
- D

b What is the function of structure C? (2 marks)

.....

c The ribosomes are not shown on the image. What type of microscope is needed to see small structures such as ribosomes? (1 mark)

.....

d What is the maximum magnification and resolution of the microscope described in (c)? (2 marks)

Magnification

Resolution

e The cell is actually $10\mu\text{m}$ in diameter, but in the image it is shown at 25mm in diameter. Calculate the magnification. (2 marks)

Magnification =