

Answer ALL questions.

Some questions must be answered with a cross ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.

1 The structure of a plant cell depends on the function of that cell.

(a) State **one** difference between the function of sclerenchyma fibres and the function of xylem vessels.

(1)

(b) The table below shows some features of plant cells.

For each feature, put **one** cross ☒ in the appropriate box, in each row, to show whether the feature is found in the cells of sclerenchyma fibres and xylem vessels, sclerenchyma fibres only, xylem vessels only or not found in either.

(4)

Feature	Sclerenchyma fibres and xylem vessels	Sclerenchyma fibres only	Xylem vessels only	Not found in either sclerenchyma fibres or xylem vessels
absence of end walls between adjacent cells	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
cell membrane	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
lignified cell wall	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
pits	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

(Total for Question 1 = 5 marks)