

Question Number	Answer	Additional guidance	Mark
<b>1(a)(i)</b>	<p>The only correct answer is A amyloplast</p> <p><i>B is not correct because starch is not stored in the middle lamella</i></p> <p><i>C is not correct because starch is not stored in the plasmodesmata</i></p> <p><i>D is not correct because starch is not stored in the tonoplast</i></p>		<b>(1)</b>

Question Number	Answer	Additional guidance	Mark
<b>1(a)(ii)</b>	<p>The only correct answer is A one</p> <p><i>B is not correct because starch contains 1,4 and 1,6 glycosidic bonds, is a polymer of <math>\alpha</math>-glucose and is a polysaccharide</i></p> <p><i>C is not correct because starch contains 1,4 and 1,6 glycosidic bonds, is a polymer of <math>\alpha</math>-glucose and is a polysaccharide</i></p> <p><i>D is not correct because starch contains 1,4 and 1,6 glycosidic bonds, is a polymer of <math>\alpha</math>-glucose and is a polysaccharide</i></p>		<b>(1)</b>

Question Number	Answer	Additional guidance	Mark
<b>1(a)(iii)</b>	<p>The only correct answer is C three</p> <p><i>A is not correct because phloem, sclerenchyma and xylem cell walls contain cellulose</i></p> <p><i>B is not correct because phloem, sclerenchyma and xylem cell walls contain cellulose</i></p> <p><i>D is not correct because the vacuole does not contain cellulose</i></p>		<b>(1)</b>

Question Number	Answer	Additional guidance	Mark
<b>1(b)</b>	<p>An explanation that includes the following points:</p> <ul style="list-style-type: none"> <li>because there are hydrogen bonds between (adjacent) cellulose molecules (1)</li> <li>{layers / sheets} of microfibrils (1)</li> <li>which have microfibrils at different angles (therefore it increases the strength) (1)</li> </ul>	<p>ignore {layers / sheets} of cellulose</p> <p>ACCEPT microfibrils arranged in a {criss-cross pattern / mesh}</p>	<b>(3)</b>