

Question Number	Answer	Mark
6 (a)	1. plants can be {re-grown / sustainable / eq} OR starch {renewable / sustainable} OR <u>oil</u> is { non- sustainable / non-renewable eq} ;  2. idea of biodegradability ;  3. idea of cheapness ;	(2)

Question Number	Answer	Mark												
6 (b)	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Statement</th> <th>Starch</th> <th>Cellulose</th> </tr> </thead> <tbody> <tr> <td>Consists of microfibrils held together by hydrogen bonds</td> <td style="text-align: center;">x</td> <td style="text-align: center;">x</td> </tr> <tr> <td>Found in amyloplasts</td> <td style="text-align: center;">✓</td> <td style="text-align: center;">x</td> </tr> <tr> <td>Made up of β-glucose monomers</td> <td style="text-align: center;">x</td> <td style="text-align: center;">✓</td> </tr> </tbody> </table> <p>1 mark for each correct row ;;;</p>	Statement	Starch	Cellulose	Consists of microfibrils held together by hydrogen bonds	x	x	Found in amyloplasts	✓	x	Made up of β-glucose monomers	x	✓	(3)
Statement	Starch	Cellulose												
Consists of microfibrils held together by hydrogen bonds	x	x												
Found in amyloplasts	✓	x												
Made up of β-glucose monomers	x	✓												

Question Number	Answer	Mark
6 (c)(i)	1. chloroplast (s) ;	(1)

Question Number	Answer	Mark
6 (c)(ii)	<ol style="list-style-type: none"> <li>1. (it has) ribosomes {floating / inside membrane / eq}/ in rER {ribosomes not floating / are attached (to membranes) / not inside} / eq ;</li> <li>2. it has DNA / rER does not contain DNA / eq ;</li> <li>3. idea of presence of internal membranes e.g. thylakoid membrane, grana ;</li> <li>4. (it has) a {double membrane / envelope}/ rER does not have a {double membrane / envelope} / eq ;</li> <li>5. no {flattened sacs / cisternae} / eq ;</li> <li>6. contains starch / eq ;</li> </ol>	(2)

Question Number	Answer	Mark
6 (d)	<ol style="list-style-type: none"> <li>1. <u>both</u> are used for (structural) support / eq ;</li> <li>2. only xylem (vessels) transport water / eq ;</li> <li>3. only xylem (vessels) transport mineral ions / eq ;</li> </ol> <p>allow converse for 2<sup>nd</sup> and 3<sup>rd</sup> marking points</p>	(3)