

Question Number	Answer	Additional Comments	Mark															
6(a)	<table border="1"> <thead> <tr> <th>Feature</th> <th>Cellulose molecule</th> <th>Cellulose microfibril</th> </tr> </thead> <tbody> <tr> <td>Alpha (α) glucose</td> <td>x</td> <td>x</td> </tr> <tr> <td>1,4- glycosidic bonds</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>1,6- glycosidic bonds</td> <td>x</td> <td>x</td> </tr> <tr> <td>Hydrogen bonds</td> <td>x</td> <td>✓</td> </tr> </tbody> </table>	Feature	Cellulose molecule	Cellulose microfibril	Alpha (α) glucose	x	x	1,4- glycosidic bonds	✓	✓	1,6- glycosidic bonds	x	x	Hydrogen bonds	x	✓	No marks for blank spaces. No marks for hybrid x/✓	(4)
	Feature	Cellulose molecule	Cellulose microfibril															
	Alpha (α) glucose	x	x															
	1,4- glycosidic bonds	✓	✓															
	1,6- glycosidic bonds	x	x															
Hydrogen bonds	x	✓																
Any 2 correct for 1 mark ;;;;																		

Question Number	Answer	Additional Comments	Mark
6(b)	1. Archaea ; 2. Bacteria ;	Either way around 1. ACCEPT Archaeobacter	(2)

Question Number	Answer	Additional Comments	Mark
6(c)	1. idea that organisms with { specific / particular / shared / common / similar / eq } { characteristics / features / traits / eq } are placed in a group ; 2. detail of how characteristics assessed, e.g. observable characteristics, behavioural similarities, similarities in DNA, molecular phylogeny ;		(2)

Question Number	Answer	Additional Comments	Mark
6(d)	<ol style="list-style-type: none"> 1. scientific findings published e.g. in a journal ; 2. idea of presented at scientific conference / eq ; 3. idea of peer review ; 4. (other scientists) repeat experiments (to confirm or validate findings / test reliability of data) ; 	<p>IGNORE 'critically evaluated' as it is in the stem of the question</p> <ol style="list-style-type: none"> 3. 'peer reviewed journal' gains Mp1 as well 4. must be an indication of further testing being carried out 	(3)