

Question	Answer	Marks	AO Element	Notes	Guidance
1	growth ; carbon ; hydrogen ; magnesium ; chlorophyll ; photosynthesis ;	6		carbon and hydrogen in either order	
2	ref. to specificity ; (shape of) active site and substrate must be <u>complementary</u> ; to enable, enzyme and substrate to bind / enzyme-substrate complexes to be formed ;	3			
3	<i>any 2 from:</i> for support ; in photosynthesis / to make sugar ; for transport ; chemical reactions take place in solution / solvent ;	2			

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4	<table border="1"> <thead> <tr> <th data-bbox="398 220 602 312">large molecule</th> <th data-bbox="602 220 808 312">sentence endings</th> </tr> </thead> <tbody> <tr> <td data-bbox="398 312 602 405">Cellulose</td> <td data-bbox="602 312 808 405">is made from glucose.</td> </tr> <tr> <td data-bbox="398 405 602 497">DNA</td> <td data-bbox="602 405 808 497">is the genetic material.</td> </tr> <tr> <td data-bbox="398 497 602 590">Glycogen</td> <td data-bbox="602 497 808 590">is made from glucose.</td> </tr> <tr> <td data-bbox="398 590 602 683">Oil</td> <td data-bbox="602 590 808 683">is made from fatty acids and glycerol.</td> </tr> <tr> <td data-bbox="398 683 602 775">Protein</td> <td data-bbox="602 683 808 775">is made from amino acids.</td> </tr> <tr> <td colspan="2" data-bbox="398 775 808 940" style="text-align: center;">.....</td> </tr> </tbody> </table>	large molecule	sentence endings	Cellulose	is made from glucose.	DNA	is the genetic material.	Glycogen	is made from glucose.	Oil	is made from fatty acids and glycerol.	Protein	is made from amino acids.	.....		5		one mark for each correct row	
large molecule	sentence endings																		
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.....																			
5	<p><i>any three from:</i>                      ref. to making new cells after fertilisation ;                      making membranes ;                      (protein for) making enzymes ;                      making new, (named) cell structures / cytoplasm ;                      (fat / protein) provide / source of, energy ;                      energy for, cell division / mitosis / growth (of cell) / metabolism / AW ;</p>	3																	

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6	carbon, hydrogen, oxygen ;	1			
[Total: 20]					