

Question Number	Answer	Additional guidance	Mark
2(a)(i)	<p>The only correct answer is D animal, plant and prokaryotic cells</p> <p><i>A is not correct because all three cell types contain a cell membrane</i></p> <p><i>B is not correct because all three cell types contain a cell membrane</i></p> <p><i>C is not correct because all three cell types contain a cell membrane</i></p>		(1)

Question Number	Answer	Additional guidance	Mark
2(a)(ii)	<p>The only correct answer is C plant and prokaryotic cells only</p> <p><i>A is not correct because prokaryotic cells contain a cell wall</i></p> <p><i>B is not correct because animal cells do not contain a cell wall</i></p> <p><i>D is not correct because animal cells do not contain a cell wall</i></p>		(1)

Question Number	Answer	Additional guidance	Mark
2(b)(i)	<p>A calculation in which:</p> <ul style="list-style-type: none"> cell diameter measured and converted into micrometres (1) diameter divided by 25 with no units (1) <p>OR</p> <ul style="list-style-type: none"> 25 converted to mm diameter divided by 0.025 with no units 	<p><u>Example of calculation:</u></p> <p>42mm=42000 µm</p> <p>42000 ÷ 25 = x1680</p> <p>ecf for ±1mm and incorrect conversions</p> <p>Correct answer with no units and with no working scores full marks</p>	(2)

Question Number	Answer	Additional guidance	Mark
2(b)(ii)	<p>An answer that includes one of the following points:</p> <ul style="list-style-type: none"> (site of) photosynthesis / converts light energy to {chemical energy / ATP} (1) 	<p>ACCEPT formation of correct named product of photosynthesis e.g. glucose ignore makes food</p>	(1)

Question Number	Answer	Additional guidance	Mark
2(b)(iii)	<p>An answer that includes the following point:</p> <ul style="list-style-type: none"> this organism has a nucleus / prokaryotic cells do not contain a nucleus (1) 	<p>DO NOT ACCEPT cell membrane / cytoplasm ignore contains membrane bound organelles</p>	(1)