

Question Number	Answer	Mark
<b>6(a)</b>	<p>The only correct answer is C Y</p> <p><i>A is not correct because W does not contain mitochondria</i></p> <p><i>B is not correct because X does not contain mitochondria</i></p> <p><i>D is not correct because Z does not contain mitochondria</i></p>	<b>(1)</b>

Question Number	Answer	Additional guidance	Mark
<b>6(b)(i)</b>	<p>A description that makes reference to the following points:</p> <ul style="list-style-type: none"> <li>named organelle involved in protein production (1)</li> <li>role of organelle described in the production of the enzyme (1)</li> </ul>	<p>mitochondria / nucleus / ribosomes / {rough endoplasmic reticulum / rER} / Golgi (apparatus/body)</p> <p>e.g.  mitochondria – produce ATP for protein synthesis (of enzyme)  nucleus – site of transcription of enzyme gene / location of gene for enzyme  ribosomes -site of protein synthesis / where polypeptide is formed  rER -site of protein synthesis / where polypeptide is formed / formation of 3° structure / packaging protein into (transport) vesicle  Golgi apparatus – modification of {protein / enzyme} / packaging {protein / enzyme} into (secretory) vesicle</p>	<b>(2)</b>

Question Number	Answer	Additional guidance	Mark
<b>6(b)(ii)</b>	<ul style="list-style-type: none"> <li>800</li> </ul>		<b>(1)</b>