

Question Number	Answer	Mark
<b>1(a)(i)</b>	<p>The only correct answer is B covered in 80S (large) ribosomes</p> <p><i>A is not correct because rER is covered in 80S (large) ribosomes</i></p> <p><i>C is not correct because rER forms vesicles containing polypeptides</i></p> <p><i>D is not correct because rER forms vesicles containing polypeptides</i></p>	<b>(1)</b>

Question Number	Answer	Additional guidance	Mark
<b>1(a)(ii)</b>	<p>An answer that includes the following point:</p> <ul style="list-style-type: none"> <li>(smooth endoplasmic reticulum synthesises) lipid / steroids / named steroid hormone</li> </ul>	<p>ACCEPT hormones</p> <p>IGNORE (named) peptide hormone</p>	<b>(1)</b>

Question Number	Answer	Additional guidance	Mark
<b>1(a)(iii)</b>	<p>A description that includes the following points:</p> <ul style="list-style-type: none"> <li>nucleolus (1)</li> <li>named genetic material (1)</li> </ul>	<p>ACCEPT ribosomes / rRNA</p> <p>e.g. DNA / chromatin / chromatid / chromosomes / nucleosome / mRNA</p> <p>ACCEPT histones</p>	<b>(2)</b>

Question Number	Answer	Additional guidance	Mark
<b>1(b)</b>	<p>An explanation that includes the following points:</p> <ul style="list-style-type: none"> <li>because of water uptake / increased {volume of cytoplasm / size of vacuole} (1)</li> <li>(increase in size due to) {synthesis/production} of {organelles / (named) proteins / enzymes} (1)</li> <li>therefore {synthesis/production} of {new/more} cell {membrane / wall} (1)</li> </ul>	<p>ACCEPT organelles increase in size</p>	<b>(3)</b>