

Question Number	Answer	Additional guidance	Mark
<b>3(a)(i)</b>	<p>An answer that includes one of the following points:</p> <ul style="list-style-type: none"> <li>(analysis of/ comparison of/ similarities in / differences in) {DNA / RNA / proteins / amino acid sequences / enzymes / ribosomes / membrane components / cell wall components} (1)</li> </ul>	<p>ACCEPT patterns in non-coding DNA ACCEPT genes ignore organelles</p>	<b>(1)</b>

Question Number	Answer	Additional guidance	Mark
<b>3(a)(ii)</b>	<p>A description that includes three of the following points:</p> <ul style="list-style-type: none"> <li>peer review (1)</li> <li>repetition of experiments (by other scientists to see if same data are collected) (1)</li> <li>{analysis / evaluation / discussion / comparison} of data (1)</li> </ul>	<p>ACCEPT extend the analysis e.g. look for {similarities / differences} in more genes (1)</p>	<b>(2)</b>

Question Number	Answer					Mark
<b>3(b)</b>	one mark for each correct row					<b>(4)</b>
	Feature	Archaea only	Archaea and Bacteria only	Archaea and Eukarya only	Archaea and Bacteria and Eukarya	
	absence of a nuclear envelope		<input checked="" type="checkbox"/>			
	presence of circular DNA				<input checked="" type="checkbox"/>	
	presence of a cell membrane				<input checked="" type="checkbox"/>	
	presence of ribosomes				<input checked="" type="checkbox"/>	