

Question Number	Answer	Mark
6 (a)(i)	<ol style="list-style-type: none"> 1. C ; 2. mitochondria are present (and only Eukaryota possess mitochondria) ; 	(2)

Question Number	Answer	Mark
6 (a)(ii)	<ol style="list-style-type: none"> 1. B ; 2. EITHER (because) it has { more / most / three / any two named } characteristics in common (with the eukaryotes/Group C) ; OR the idea that (because) A is sensitive to antibiotics, A must be Bacteria therefore B is Archaea / eq ; 	(2)

Question Number	Answer	Mark
6 (b) (i)	<ol style="list-style-type: none"> 1. stacks / eq ; 2. cisternae ; 3. smooth membranes / no ribosomes / eq ; 4. (cisternae) curved / flattened ; 5. idea of different sizes (cisternae) ; 6. presence of vesicles ; 	(3)

Question Number	Answer	Mark
*6 (b) (ii) QWC	<p>(QWC - Spelling of technical terms must be correct and the answer must be organised in a logical sequence)</p> <ol style="list-style-type: none"> 1. {<i>protein / polypeptides</i>} produced by <i>ribosome</i> ; 2. <i>ribosomes</i> {held on/attached to/eq} rER ; 3. <i>proteins</i> {stored / transported / within rER / eq} ; 4. <i>proteins</i> {folded/assume 3-D shape/tertiary structure} within (lumen of) rER / eq ; 5. (rER) produce <i>vesicles</i> / packages <i>proteins</i> /eq ; 6. <i>vesicles</i> fuse with <i>Golgi</i> (apparatus) / eq ; 7. <i>Golgi</i> {modifies/processes} <i>protein</i> ; 8. details of modification e.g. <i>glycoprotein / carbohydrate</i> added, trimming of <i>carbohydrate</i> ; 9. water removed (to concentrate) / eq ; 10. <i>Golgi</i> produces {<i>lysosomes / secretory vesicles</i>} ; 	(6)