

Cell Biology Mark Scheme

1.	B
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1.	(a)	(i)	Plant, bacterial and fungal	1	All three required
		(ii)	Bacteria(l)	1	Extra answers negate
		(iii)	Ribosome - (site of/involved in) protein synthesis Mitochondria - (site of/involved in) energy or ATP production/aerobic respiration	1	
	(b)		Y axis scale and label, including units 1 Bars correctly plotted 1	2	Tops of bars clearly shown Label copied exactly

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1.	(a)	<p>1. Mitochondrion: (site of) <u>aerobic</u> respiration or releases energy/produces ATP.</p> <p>2. Cytoplasm: (site of) chemical reactions.</p> <p>3. Ribosome(s): (site of) protein synthesis.</p> <p>4. Cell membrane: controls or allows entry/exit of materials/substances/molecules or controls what enters/exits.</p> <p>Any 2 for 1 mark each</p>	2	<p>Acceptable: additional correct information.</p> <p>Not acceptable: - (site of) all chemical reactions - specific example of a reaction eg fermentation.</p> <p>Not acceptable: 'things'</p>
	(b)	100	1	