

1. B
 2. B
 3. B
 4. B
 5. B
 6. C
 7. B
 8. A
 9. A

10.	(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	

11.	(a)	(i)	<p>Cytoplasm - site of (chemical) reactions OR Cell membrane - controls/allows/lets entry and/or exit/passage of materials/substances/molecules or Controls what enters/exits OR Nucleus - controls (all) cell activity/activities</p>	1	<p>Not acceptable - things/particles</p> <p>Not acceptable - contains genetic material; but not negating</p>
		(ii)	Osmosis	1	
	(b)		Cell wall	1	

12.	(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 Bars correctly plotted	1 1	2 Tops of bars clearly shown Label copied exactly

13.	(a)		Y	1
	(b)		Large number of mitochondria present	1
	(c)		Chloroplasts present	1
			Contain chlorophyll/green pigment/are green	1
				2