

**Unit Code:** J247/03  
**Qual Name:** GCSE Biology A  
 (Gateway)  
**Qual Title:** B1-B3 and B7  
 Higher

Question Set	Q. No	Total Marks	AO	Spec Ref.	Topic	Question Subject, If required	Additional Notes/Comments	Maths	Practical Assessment
1	1a	2	AO2	1.3f	1.3 Respiration	This question is about enzymes			
1	1b	5	AO2	1.2f	1.2 What happens in cells	This question is about enzymes		Y	
1	1c	3	AO2	1.2g	1.2 What happens in cells	This question is about enzymes			
1	1d	3	AO2	1.2g	1.2 What happens in cells	This question is about enzymes			
1	1ei	1	AO3	1.2f	1.2 What happens in cells	This question is about enzymes			Y
1	1eii	2	AO3	1.2f	1.2 What happens in cells	This question is about enzymes			Y
1	1f	2	AO3	1.2f	1.2 What happens in cells	This question is about enzymes			Y
2	1ai	2	AO2	1.4d	1.4 Photosynthesis	This question is about photosynthesis	<i>Please note: images are not to scale as they may vary in colour, density, shade and size when reproduced using different printers and photocopiers.</i>		Y
2	1aii	5	AO2	1.4d	1.4 Photosynthesis	This question is about photosynthesis			Y
2	1bi	2	AO2	1.4e	1.4 Photosynthesis	This question is about photosynthesis			
2	1bii	2	AO1	1.4e	1.4 Photosynthesis	This question is about photosynthesis			
2	1ci	3	AO1	1.4b	1.4 Photosynthesis	This question is about respiration			
2	1cii	2	AO2	1.3a	1.3 Respiration	This question is about respiration			
3	1a	2	AO1	2.2i	2.2 The challenges of size	This question is about transpiration			Y
3	1bi	2	AO2	2.2i	2.2 The challenges of size	This question is about transpiration			Y
3	ii	1	AO2	2.2i	2.2 The challenges of size	This question is about transpiration			Y
4	1a	5	AO1	3.1a	3.1 The nervous system	This question is about reflexes			
4	1bi	2	AO3	3.1a	3.1 The nervous system	This question is about reflexes			
4	1bii	2	AO3	3.1a	3.1 The nervous system	This question is about reflexes			
5	1a	2	AO2	2.1a	2.1 Supplying the cell	This question is about osmosis			
5	1b	2	AO2	2.1a	2.1 Supplying the cell	This question is about osmosis			
5	1ci	2	AO2	2.1a	2.1 Supplying the cell	This question is about osmosis		Y	

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5	1cii	1	AO2	2.1a	2.1 Supplying the cell	This question is about osmosis			
5	1di	1	AO3	2.1a	2.1 Supplying the cell	This question is about osmosis			
5	1dii	1	AO3	2.1a	2.1 Supplying the cell	This question is about osmosis			
6	1ai	2	AO1	3.2c	3.2b The endocrine system	This question is about reproductive hormones		Y	
6	1aii	2	AO1	3.2d	3.2b The endocrine system	This question is about reproductive hormones			
6	1b	6	AO1	3.2e	3.2b The endocrine system	This question is about reproductive hormones	LoR Question		
7	1ai	1	AO1	2.2a	2.2 The challenges of size	This question is about diffusion		Y	
7	1aii	2	AO1	2.2a	2.2 The challenges of size	This question is about diffusion		Y	
7	1aiii	2	AO1	2.2a	2.2 The challenges of size	This question is about diffusion			
7	1aiv	2	AO2	2.2a	2.2 The challenges of size	This question is about diffusion			
7	1b	5	AO1	2.2a	2.2 The challenges of size	This question is about diffusion			
8	1a	2	AO2	B1.2c	1.2 What happens in cells	This question is about DNA extraction			Y
8	1b	2	AO2	B1.2c	1.2 What happens in cells	This question is about DNA extraction			Y
8	1c	2	AO2	B1.2c	1.2 What happens in cells	This question is about DNA extraction			Y
8	1di	2	AO1	B1.2c	1.2 What happens in cells	This question is about DNA extraction			Y
8	1dii	2	AO3	B1.2c	1.2 What happens in cells	This question is about DNA extraction			Y
9	1a	3	AO1	B3.1d	3.1 The nervous system	This question is about vision			
9	1bi	2	AO2	B3.1e	3.1 The nervous system	This question is about vision			
9	1bii	3	AO2	B3.1e	3.1 The nervous system	This question is about vision			
10	11ai	1	AO1	B3.3h	3.3 Maintaining internal environments	This question is about excretion			
10	1aii	1	AO1	B3.3i	3.3 Maintaining internal environments	This question is about excretion			
10	1b	4	AO3	B3.3g	3.3 Maintaining internal environments	This question is about excretion		Y	
10	1c	6	AO1, AO2, AO3	B3.3j	3.3 Maintaining internal environments	This question is about excretion	LoR Question		
11	11ai	2	AO3	B3.1c	3.1 The nervous system	This question is about reflexes			Y
11	1aii	3	AO3	B3.1c	3.1 The nervous system	This question is about reflexes			Y
11	1bi	2	AO2	B3.1c	3.1 The nervous system	This question is about reflexes			
11	1bii	2	AO3	B3.1c	3.1 The nervous system	This question is about reflexes			

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11	1ci	1	AO2	B2.1e	2.1 Supplying the cell	This question is about stem cells			
11	1cii	2	AO2	B3.1f	3.1 The nervous system	This question is about the brain			
11	1ciii	2	AO2	B3.1g	3.1 The nervous system	This question is about the brain			
12	1a	3	AO1	B3.3b	3.3 Maintaining internal environments	This question is about reproductive hormones			
12	1b	2	AO1	B3.2b	3.2b The endocrine system	This question is about reproductive hormones			
12	1ci	1	AO1	B3.2c	3.2b The endocrine system	This question is about reproductive hormones			
12	1cii	2	AO1	B3.2d	3.2b The endocrine system	This question is about reproductive hormones	<i>Please note: images are not to scale as they may vary in colour, density, shade and size when reproduced using different printers and photocopiers.</i>	Y	
12	1di	3	AO2	B3.2d	3.2b The endocrine system	This question is about reproductive hormones		Y	
12	1dii	1	AO1	B3.2c	3.2b The endocrine system	This question is about reproductive hormones			
12	1diii	3	AO1	B3.2f	3.2b The endocrine system	This question is about reproductive hormones			
12	1div	2	AO1	B1.2e	1.2 What happens in cells	This question is about reproductive hormones			
13	1a	1	AO1	B1.4c	1.4 Photosynthesis	This question is about photosynthesis			
13	1b	1	AO2	B1.4e	1.4 Photosynthesis	This question is about photosynthesis			Y
13	1c	3	AO2	B1.4f	1.4 Photosynthesis	This question is about photosynthesis			
13	1di	4	AO2	B2.1a	2.1 Supplying the cell	This question is about plant transport			
13	1dii	2	AO1	B2.1c	2.1 Supplying the cell	This question is about plant transport			
13	1e	3	AO1	B2.2f/g	2.2 The challenges of size	This question is about plant transport			
14	1a	2	AO1	B2.2c	2.2 The challenges of size	This question is about circulatory systems			
14	1b	3	AO2	B2.2c	2.2 The challenges of size	This question is about circulatory systems			
14	1ci	2	AO1	B2.2c	2.2 The challenges of size	This question is about circulatory systems		Y	Y
14	1cii	2	AO3	B2.2c	2.2 The challenges of size	This question is about circulatory systems			Y
15	11ai	1	AO1	B1.3c	1.3 Respiration	This question is about respiration			
15	1b	2	AO1	B1.3c	1.3 Respiration	This question is about respiration			
15	1ci	1	AO3	B1.3c	1.3 Respiration	This question is about respiration			

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15	1cii	2	AO2	B1.3c	1.3 Respiration	This question is about respiration		Y	
15	1ciii	1	AO3	B1.3c	1.3 Respiration	This question is about respiration			
15	1civ	2	AO3	B1.3c	1.3 Respiration	This question is about respiration			
16	1a	3	AO3	B2.1a	2.1 Supplying the cell	This question is about osmosis			
16	1b	6	AO1	B3.3f	3.3 Maintaining internal environments	This question is about osmosis	LoR Question		
16	1ci	1	AO2	B2.1a	2.1 Supplying the cell	This question is about osmosis			Y
16	1cii	1	AO3	B2.1a	2.1 Supplying the cell	This question is about osmosis			Y
16	1ciii	1	AO2	B2.1a	2.1 Supplying the cell	This question is about osmosis		Y	Y
16	1d	1	AO1	B2.1d	2.1 Supplying the cell	This question is about osmosis			
17	11ai	1	AO2	B3.2c	3.2b The endocrine system	This question is about reproductive hormones			
17	1aii	1	AO1	B3.2c/d	3.2b The endocrine system	This question is about reproductive hormones			
17	1b	4	AO1	B3.2e	3.2b The endocrine system	This question is about reproductive hormones			
17	1c	1	AO1	B3.3d	3.3 Maintaining internal environments	This question is about insulin			
17	1di	1	AO3	B3.3e	3.3 Maintaining internal environments	This question is about insulin			Y
17	1dii	2	AO2	B3.3e	3.3 Maintaining internal environments	This question is about insulin			Y
17	1e	2	AO1, AO2, AO3	B2.1f	2.1 Supplying the cell	This question is about stem cells			
17	1f	2	AO1	B3.2h	3.2b The endocrine system	This question is about plant hormones			
18	1a	1	AO1	B2.1d	2.1 Supplying the cell	This question is about cloning			Y
18	1bi	2	AO2	B2.1d	2.1 Supplying the cell	This question is about cloning			Y
18	1bii	2	AO3	B2.1d	2.1 Supplying the cell	This question is about cloning			Y
18	1c	2	AO2	B1.1a	1.1 Cell structures	This question is about microscopy	<i>Please note: images are not to scale as they may vary in colour, density, shade and size when reproduced using different printers and photocopiers.</i>	Y	Y
18	1d	2	AO2	B1.1c	1.1 Cell structures	This question is about microscopy			
19	11ai	4	AO3	B3.1g	3.1 The nervous system	This question is about the brain			
19	1aii	2	AO1	B3.1g	3.1 The nervous system	This question is about the brain			
19	1bi	3	AO2	B3.1b	3.1 The nervous system	This question is about neurones		Y	
19	1bii	2	AO2	B3.1b	3.1 The nervous system	This question is about neurones			

Question Set	Q.	Total Marks	AO	Spec Ref.	Topic	Question Subject, If required	Additional Notes/Comments	Maths	Practical Assessment
20	11ai	2	AO1	B1.2d	1.2 What happens in cells	This question is about DNA			
20	1aii	2	AO1	B1.2d	1.2 What happens in cells	This question is about DNA			
20	1bi	2	AO2	B1.2a	1.2 What happens in cells	This question is about DNA			
20	1bii	1	AO2	B2.1b	2.1 Supplying the cell	This question is about DNA			
20	1ci	2	AO2	B1.2c	1.2 What happens in cells	This question is about DNA			
20	1cii	1	AO3	B1.2c	1.2 What happens in cells	This question is about DNA			
21	1	1	AO1	1.2c	1.2 What happens in cells				
21	2	1	AO1	1.2a	1.2 What happens in cells				
21	3	1	AO2	1.2e	1.2 What happens in cells				
21	4	1	AO1	1.4f	1.4 Photosynthesis				
21	5	1	AO1	1.1b	1.1 Cell structures				
21	6	1	AO1	1.4f	1.4 Photosynthesis				
21	7	1	AO2	1.1a	1.1 Cell structures			Y	
21	8	1	AO2	1.2d	1.2 What happens in cells				
21	9	1	AO1	1.1b	1.1 Cell structures				
21	10	1	AO1	1.1b	1.1 Cell structures				
21	11	1	AO2	1.4d	1.4 Photosynthesis			Y	
21	12	1	AO2	1.3c	1.3 Respiration				
21	13	1	AO1	1.2b	1.2 What happens in cells				
21	14	1	AO1	1.2g	1.2 What happens in cells				
21	15	1	AO1	1.3d	1.3 Respiration				
21	16	1	AO1	1.3d	1.3 Respiration				
21	17	1	AO1	1.3b	1.3 Respiration				
21	18	1	AO1	1.1b	1.1 Cell structures			Y	
21	19	1	AO2	1.1b	1.1 Cell structures				
22	1	1	AO1	2.1a	2.1 Supplying the cell				
22	2	1	AO1	2.1b	2.1 Supplying the cell				
22	3	1	AO1	2.2j	2.2 The challenges of size				Y
22	4	1	AO1	2.1a	2.1 Supplying the cell				
22	5	1	AO2	2.2e	2.2 The challenges of size			Y	
22	6	1	AO1	2.2a	2.2 The challenges of size				
22	7	1	AO1	2.1a	2.1 Supplying the cell				
22	8	1	AO1	2.2h	2.2 The challenges of size				
22	9	1	AO2	1.3c	2.2 The challenges of size			Y	
23	1	1	AO1	3.2g	3.2b The endocrine system				
23	2	1	AO1	3.2h	3.2b The endocrine system				

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23	3	1	AO1	3.3b	3.3 Maintaining internal environments				
23	4	1	AO1	3.1f	3.1 The nervous system				
23	5	1	AO1	3.3i	3.3 Maintaining internal environments				
23	6	1	AO1	3.1e	3.1 The nervous system				
23	7	1	AO1	3.2b	3.2b The endocrine system				
23	8	1	AO1	3.2g	3.2b The endocrine system				
23	9	1	AO2	3.3a	3.3 Maintaining internal environments				
23	10	1	AO2	3.3c	3.3 Maintaining internal environments				
23	11	1	AO1	3.2h	3.2b The endocrine system				
23	12	1	AO1	3.1e	3.1 The nervous system				
23	13	1	AO2	3.1d	3.1 The nervous system				
23	14	1	AO1	3.3h	3.3 Maintaining internal environments				
23	15	1	AO2	3.3i	3.3 Maintaining internal environments				
23	16	1	AO1	3.3i	3.3 Maintaining internal environments				
23	17	1	AO2	3.2b	3.2b The endocrine system				