

Unit Cod J247/01

Qual Name GCSE Biology A (Gateway)

Qual Titl B1-B3 and B7 Foundation

Question Set	Q. No	Total Marks	AO	Spec Ref.	Topic	Question Subject, If required	Additional Notes/Comments	Maths	Practical Assessment
1	1	1	AO1	1.1a	Cell Structures				
1	2	1	AO1	1.2b	What happens in Cells				
1	3	1	AO1	1.2c	What happens in Cells				
1	4	1	AO1	1.4c	Photosynthesis				
1	5	1	AO1	1.3d	Respiration				
1	6	1	AO1	1.3c	Respiration				
1	7	1	AO1	1.3e	Respiration				
1	8	1	AO1	1.2a	What happens in Cells				
1	9	1	AO1	1.3c	Respiration				
1	10	1	AO1	1.2a	What happens in Cells				
1	11	1	AO2	1.1a	Cell Structures				Y
1	12	1	AO2	1.1a	Cell Structures			Y	Y
1	13	1	AO2	1.4d	Photosynthesis				Y
1	14	1	AO2	1.2c	What happens in Cells				
1	15	1	AO2	1.3e	Respiration				
1	16	1	AO1	1.1a	Cell Structures				
1	17	1	AO1	1.2c	What happens in Cells				
1	18	1	AO2	1.2g	What happens in Cells				
1	19	1	AO2	1.4d	Photosynthesis				
2	1	1	AO2	2.2a	Challenges of Size				
2	2	1	AO1	2.2g	Challenges of Size				
2	3	1	AO1	2.2f	Challenges of Size				
2	4	1	AO2	2.1a	Supplying the cell				
2	5	1	AO1	2.2e	Challenges of Size				
2	6	1	AO1	2.1a	Supplying the cell				
2	7	1	AO2	2.1b	Supplying the cell				
2	8	1	AO1	2.2g	Challenges of Size				
2	9	1	AO1	2.1a	Supplying the cell				
2	10	1	AO1	2.1b	Supplying the cell				
2	11	1	AO2	2.2a	Challenges of Size			Y	

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2	12	1	AO2	2.1a	Supplying the cell			Y	
3	1	1	AO1	3.2c	Coordination and Control - Endocrine System		Please note: images are not to scale as they may vary in colour, density, shade and size when reproduced using different printers and photocopiers.		
3	2	1	AO1	3.1f	Coordination and Control - Nervous System				
3	3	1	AO1	3.2g	Coordination and Control - Endocrine System				
3	4	1	AO1	3.1d	Coordination and Control - Nervous System				
3	5	1	AO2	3.2g	Coordination and Control - Endocrine System				Y
3	6	1	AO1	3.3e	Maintaining Internal Environments				
3	7	1	AO1	3.2g	Coordination and Control - Endocrine System				Y
3	8	1	AO1	3.1e	Coordination and Control - Nervous System				
3	9	1	AO1	3.1a	Coordination and Control - Nervous System				
3	10	1	AO1	3.1a	Coordination and Control - Nervous System				
3	11	1	AO1	3.1d	Coordination and Control - Nervous System				
3	12	1	AO2	3.3b	Maintaining Internal Environments				
3	13	1	AO2	3.3b	Maintaining Internal Environments				
3	14	1	AO1	3.1f	Coordination and Control - Nervous System				

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4	1a	2	AO1	1.1a	Cell Structures	This question is about cells, slides and magnification			Y
4	1b	2	AO1	1.1a	Cell Structures	This question is about cells, slides and magnification			Y
4	1ci	2	AO1	1.1b	Cell Structures	This question is about cells, slides and magnification			
4	1cii	2	AO2	1.1b, 1.4b	Cell Structures & Photosynthesis	This question is about cells, slides and magnification			
4	1d	2	AO1	1.1a	Cell Structures	This question is about cells, slides and magnification	<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
4	1e	2	AO2	1.1a	Cell Structures	This question is about cells, slides and magnification			Y
5	1a	5	AO1 / AO2	3.1a, 3.1b, 3.1c	Coordination and Control - the Nervous System	This question is about reflexes			
5	1b	3	AO2	3.1c	Coordination and Control - the Nervous System	This question is about reflexes			
6	1a	2	AO2	2.2i	Challenges of Size	This question is about transpiration.			Y
6	1b	3	AO3	2.2i	Challenges of Size	This question is about transpiration.			Y
6	1c	6	AO2/ AO3	2.2i	Challenges of Size	This question is about transpiration.	LoR question	Y	Y
7	1a	1	AO1	2.1a	Supplying the Cell	This question is about osmosis			
7	1b	2	AO2/ AO3	2.1a	Supplying the Cell	This question is about osmosis			
7	1c	2	AO2/ OA3	2.1a	Supplying the Cell	This question is about osmosis			
8	1a	2	AO3	1.4d	Photosynthesis	This question is about the rate of photosynthesis			Y
8	1b	2	AO2	1.4d	Photosynthesis	This question is about the rate of photosynthesis			Y
8	1c	1	AO1	1.4b	Photosynthesis	This question is about the rate of photosynthesis			
8	1d	2	AO2	1.3a	Photosynthesis	This question is about the rate of photosynthesis			
8	1ei	2	AO2	1.4e	Photosynthesis	This question is about the rate of photosynthesis		Y	

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8	1eii	2	AO1	1.4e	Photosynthesis	This question is about the rate of photosynthesis			
9	1ai	1	AO1	2.2a	Challenges of Size	This question is about diffusion, SA:V and cell adaptations		Y	
9	1aaii	2	AO1	2.2a	Challenges of Size	This question is about diffusion, SA:V and cell adaptations		Y	
9	1aiii	2	AO2	2.1, 2.2	Supplying the Cell , Challenges of Size	This question is about diffusion, SA:V and cell adaptations			
9	1b	5	AO1	2.2e	Challenges of Size	This question is about diffusion, SA:V and cell adaptations			
10	1a	2	AO2	1.3f	Respiration	This question is about enzymes			
10	1b	5	AO2	1.2f	What happens in Cells	This question is about enzymes		Y	
10	1c	3	AO2/ AO3	1.2g	What happens in Cells	This question is about enzymes			
10	1d	3	AO2/ AO3	1.2g	What happens in Cells	This question is about enzymes			
10	1ei	1	AO3	1.2f	What happens in Cells	This question is about enzymes			
10	1eii	2	AO3	1.2f	What happens in Cells	This question is about enzymes			Y
10	1f	2	AO3	1.2f	What happens in Cells	This question is about enzymes			Y
11	1ai	1	AO1	2.2d	Challenges of Size	This question is about circulation and blood vessels			
11	1aaii	2	AO1	2.2c	Challenges of Size	This question is about circulation and blood vessels			
11	1bi	1	AO1	2.2c	Challenges of Size	This question is about circulation and blood vessels			
11	1bii	2	AO2	2.2c	Challenges of Size	This question is about circulation and blood vessels			
11	1c	2	AO1	2.2d	Challenges of Size	This question is about circulation and blood vessels			
11	1di	2	AO2	2.2d	Challenges of Size	This question is about circulation and blood vessels			
11	1dii	1	AO1	2.2d	Challenges of Size	This question is about circulation and blood vessels			
12	1ai	1	AO1	2.2g	Challenges of Size	This question is about plant cells, magnification and photosynthesis			
12	1aaii	2	AO1	2.2g	Challenges of Size	This question is about plant cells, magnification and photosynthesis			
12	1bi	2	AO1, AO2	1.1b	Cell Structures	This question is about plant cells, magnification and photosynthesis	Please note: images are not to scale as they may vary in colour, density, shade and size when reproduced using different printers and photocopiers.	Y	
12	1bii	1	AO2	1.1b	Cell Structures	This question is about plant cells, magnification and photosynthesis	Please note: images are not to scale as they may vary in colour, density, shade and size when reproduced using different printers and photocopiers.	Y	
12	1ci	2	AO1	1.4b	Photosynthesis	This question is about plant cells, magnification and photosynthesis			

Question Set	Q. No	Total Marks	AO	Spec Ref.	Topic	Question Subject, If required	Additional Notes/Comments	Maths	Practical Assessment
12	1cii	1	AO1	1.4c	Photosynthesis	This question is about plant cells, magnification and photosynthesis			
12	1di	1	AO2	1.4e	Photosynthesis	This question is about plant cells, magnification and photosynthesis		Y	
12	1dii	2	AO3	1.4e	Photosynthesis	This question is about plant cells, magnification and photosynthesis			Y
13	1ai	1	AO2	3.1c	Coordination and Control - Nervous System	This question is about reaction times and reflex arcs		Y	Y
13	1aai	2	AO3	3.1c	Coordination and Control - Nervous System	This question is about reaction times and reflex arcs			Y
13	1b	2	AO3	3.1c	Coordination and Control - Nervous System	This question is about reaction times and reflex arcs			Y
13	1c	3	AO3	3.1c	Coordination and Control - Nervous System	This question is about reaction times and reflex arcs			Y
13	1d	1	AO2	3.1c	Coordination and Control - Nervous System	This question is about reaction times and reflex arcs			
13	1e	2	AO1	3.1c	Coordination and Control - Nervous System	This question is about reaction times and reflex arcs			
14	1ai	1	AO1	3.3h	Maintaining Internal Environments	This question is about the kidney			
14	1aai	1	AO1	3.3h	Maintaining Internal Environments	This question is about the kidney			
14	1aiii	1	AO2	3.3h	Maintaining Internal Environments	This question is about the kidney			
14	1bi	1	AO2	3.3g	Maintaining Internal Environments	This question is about the kidney			
14	1bii	2	AO2, AO3	3.3g	Maintaining Internal Environments	This question is about the kidney			
14	1ci	1	AO1	3.3h	Maintaining Internal Environments	This question is about the kidney			
14	1cii	3	AO2, AO3	3.3g, 3.3h	Maintaining Internal Environments	This question is about the kidney		Y	
15	1a	1	AO1	3.2a	Coordination and Control - Endocrine System	This question is about the menstrual cycle and contraception			

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15	1b	4	AO1	3.2c, 3.1f	Coordination and Control - Endocrine System, Coordination and Control - Nervous System	This question is about the menstrual cycle and contraception			
15	1ci	1	AO2	3.2c	Coordination and Control - Endocrine System	This question is about the menstrual cycle and contraception			
15	1cii	1	AO1	3.2c	Coordination and Control - Endocrine System	This question is about the menstrual cycle and contraception			
15	1d	6	AO2, AO3	3.2e	Coordination and Control - Endocrine System	This question is about the menstrual cycle and contraception	LoR question		
16	1a	2	AO2	1.2c	What happens in Cells	This question is about DNA and enzymes			Y
16	1b	2	AO2	1.2c	What happens in Cells	This question is about DNA and enzymes			Y
16	1c	2	AO2	1.2c	What happens in Cells	This question is about DNA and enzymes			Y
16	1di	2	AO1, AO2	1.2c	What happens in Cells	This question is about DNA and enzymes		Y	Y
16	1dii	2	AO3	1.2c	What happens in Cells	This question is about DNA and enzymes			Y
17	1a	3	AO1, AO2	3.1d	Coordination and Control - Nervous System	This question is about the eye and accommodation			
17	1bi	2	AO2	3.1e	Coordination and Control - Nervous System	This question is about the eye and accommodation			
17	1bii	3	AO1, AO2	3.1e	Coordination and Control - Nervous System	This question is about the eye and accommodation			
18	1a	2	AO2	1.1a	Cell Structures	This question is about plant cells and microscopes	<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	
18	1b	1	AO1	2.2h, 2.2g	Challenges of Size	This question is about plant cells and microscopes			
18	1c	2	AO1	2.2h	Challenges of Size	This question is about plant cells and microscopes			
18	1d	2	AO2	1.1a	Cell Structures	This question is about plant cells and microscopes			

Question Set	Q. No	Total Marks	AO	Spec Ref.	Topic	Question Subject, If required	Additional Notes/Comments	Maths	Practical Assessment
18	1e	1	AO1	1.1c	Cell Structures	This question is about plant cells and microscopes			
19	1ai	1	AO2	2.2h	Challenges of Size	This question is about plant stems and transpiration			
19	1aii	2	AO2	2.2h	Challenges of Size	This question is about plant stems and transpiration			
19	1bi	2	AO2	2.2i	Challenges of Size	This question is about plant stems and transpiration			
19	1bii	3	AO3	2.2i, 2.2j	Challenges of Size	This question is about plant stems and transpiration			Y
19	1c	2	AO3	2.2j	Challenges of Size	This question is about plant stems and transpiration			
20	1ai	1	AO2	2.1d	Supplying the Cell	This question is about cloning plants and stem cells			Y
20	1aii	1	AO2	2.1d	Supplying the Cell	This question is about cloning plants and stem cells			Y
20	1aiii	2	AO2	2.1d	Supplying the Cell	This question is about cloning plants and stem cells			Y
20	1bi	2	AO2	1.4e	Photosynthesis	This question is about cloning plants and stem cells			
20	1bii	2	AO3	2.1d	Supplying the Cell	This question is about cloning plants and stem cells			Y
20	1biii	1	AO3	2.1d, 2.1e	Supplying the Cell	This question is about cloning plants and stem cells			Y
20	1c	3	AO1, AO2	2.1d, 2.1i	Supplying the Cell	This question is about cloning plants and stem cells			Y
20	1d	2	AO2	2.1f	Supplying the Cell	This question is about cloning plants and stem cells			
21	1a	3	AO1	3.2h	Coordination and Control - Endocrine System	This question is about plant hormones			
21	1bi	2	AO3	3.2g	Coordination and Control - Endocrine System	This question is about plant hormones			Y
21	1bii	1	AO1	3.2g	Coordination and Control - Endocrine System	This question is about plant hormones			
21	1ci	3	AO1	3.2c	Coordination and Control - Endocrine System	This question is about plant hormones			
21	1cii	1	AO2	3.2c	Coordination and Control - Endocrine System	This question is about plant hormones		Y	

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21	1d	3	AO1	2.1b	Supplying the Cell	This question is about plant hormones			
22	1ai	1	AO1	3.3c	Maintaining Internal Environments	This question is about blood glucose and diabetes			
22	1aii	2	AO1	3.2a	Maintaining Internal Environments	This question is about blood glucose and diabetes			
22	1aiii	6	AO1, AO2, AO3	3.3e	Maintaining Internal Environments	This question is about blood glucose and diabetes	LoR question		Y
22	1b	1	AO1	3.3g	Maintaining Internal Environments	This question is about blood glucose and diabetes			
22	1c	2	AO2	1.2g	Cell Structures	This question is about blood glucose and diabetes			
23	1a	2	AO1	2.2c	Challenges of Size	This question is about circulation and exercise			
23	1b	3	AO2	2.2c	Challenges of Size	This question is about circulation and exercise			
23	1ci	2	AO1, AO2	2.2c	Challenges of Size	This question is about circulation and exercise		Y	Y
23	1cii	2	AO3	2.2c	Challenges of Size	This question is about circulation and exercise			Y
24	1a	1	AO1	1.3c	Respiration	This question is about respiration and fermentation			
24	1b	2	AO1	1.3c	Respiration	This question is about respiration and fermentation			
24	1ci	1	AO3	1.3c	Respiration	This question is about respiration and fermentation			
24	1cii	2	AO2	1.3c	Respiration	This question is about respiration and fermentation		Y	
24	1ciii	1	AO3	1.3c	Respiration	This question is about respiration and fermentation			
24	1civ	2	AO3	1.3c	Respiration	This question is about respiration and fermentation			