

Unit J247/02
Code:
Qual GCSE Biology
Name: A (Gateway)
Qual B4-B6 and B7
Title: 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	4.1f	Ecosystems				
1	2	1	AO2	4.1g	Ecosystems				
1	3	1	AO2	4.1i	Ecosystems				
1	4	1	AO1	4.1a	Ecosystems				
1	5	1	AO1	4.1h	Ecosystems				
1	6	1	AO1	4.1f	Ecosystems				
1	7	1	AO1	4.1c	Ecosystems				
1	8	1	AO1	4.1g	Ecosystems				
1	9	1	AO2	4.1j	Ecosystems				
2	1	1	AO2	5.1h	Inheritance				
2	2	1	AO1	5.1k	Inheritance				
2	3	1	AO1	5.2f	Natural Selection & Inheritance				
2	4	1	AO1	5.1f	Inheritance				
2	5	1	AO1	5.1m	Inheritance				
2	6	1	AO1	5.2e	Natural Selection & Inheritance				
2	7	1	AO1	5.1i	Inheritance				
2	8	1	AO1	5.1h	Inheritance				
2	9	1	AO1	5.1k	Inheritance				
2	10	1	AO1	5.1c	Inheritance				
2	11	1	AO2	5.1a	Inheritance				
2	12	1	AO2	5.1h	Inheritance				
3	1	1	AO1	6.1b	Monitoring & Maintaining the Environment				
3	2	1	AO1	6.3w	Monitoring & Maintaining Health				
3	3	1	AO2	6.2a	Feeding the Human Race				
3	4	1	AO1	6.3q	Monitoring & Maintaining Health				
3	5	1	AO1	6.3s	Monitoring & Maintaining Health				
3	6	1	AO2	6.3u	Monitoring & Maintaining Health				

Question Set	Q.	Total Marks	AO	Spec Ref.	Topic	Question Subject, If required	Additional Notes/Comments	Maths	Practical Assessment
3	7	1	AO2	6.3f	Monitoring & Maintaining Health				
3	8	1	AO1	6.3v	Monitoring & Maintaining Health				
3	9	1	AO2	6.3o	Monitoring & Maintaining Health			Y	
3	10	1	AO1	6.3k	Monitoring & Maintaining Health				
3	11	1	AO1	6.3o	Monitoring & Maintaining Health				
3	12	1	AO2	6.1a	Monitoring & Maintaining the Environment			Y	
3	13	1	Ao1	6.2b	Feeding the Human Race				
3	14	1	AO1	6.2c	Feeding the Human Race				
3	15	1	AO1	6.1a	Monitoring & Maintaining the Environment			Y	
3	16	1	AO1	6.2b	Feeding the Human Race				
3	17	1	AO1	6.3h	Monitoring & Maintaining Health				
3	18	1	AO1	6.3v	Monitoring & Maintaining Health				
3	19	1	AO1	6.2b	Feeding the Human Race				
3	20	1	AO1	6.3a	Monitoring & Maintaining Health				
3	21	1	AO1	6.3r	Monitoring & Maintaining Health				
3	22	1	AO1	6.3o	Monitoring & Maintaining Health				
3	23	1	AO1	6.1a	Monitoring & Maintaining the Environment				Y
3	24	1	AO2	6.3d	Monitoring & Maintaining Health			Y	Y
4	1a	4	AO1	6.3k	Monitoring & Maintaining Health	This question is about defence mechanisms and pathogens.			
4	1b	2	AO1	6.3o	Monitoring & Maintaining Health	This question is about defence mechanisms and pathogens.			
4	1c	2	AO1, AO2	3.3a, 6.3a	Monitoring & Maintaining Health, Maintaining Internal Environments	This question is about defence mechanisms and pathogens.			
4	1di	1	AO2	1.1b, 6.3d	Monitoring & Maintaining Health, Cell Structures	This question is about defence mechanisms and pathogens.	<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>		
4	1dii	1	AO1	1.1c	Cell Structures	This question is about defence mechanisms and pathogens.			
4	1ei	1	AO1	6.3p	Monitoring & Maintaining Health	This question is about defence mechanisms and pathogens.		Y	Y

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4	1eii	3	AO1, AO2	6.3p	Monitoring & Maintaining Health	This question is about defence mechanisms and pathogens.	<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	
4	1eiii	1	AO3	6.3p	Monitoring & Maintaining Health	This question is about defence mechanisms and pathogens.			
5	1ai	1	AO2	6.3b	Monitoring & Maintaining Health	This question is about the heart and circulation and disease.			
5	1aii	1	AO1	6.3l	Monitoring & Maintaining Health	This question is about the heart and circulation and disease.			
5	1aiii	4	AO1, AO2	2.2d, 2.2b, 1.3a	Challenges of Size, Respiration	This question is about the heart and circulation and disease.			
5	1bi	1	AO2	6.3b	Monitoring & Maintaining Health	This question is about the heart and circulation and disease.		Y	
5	1bii	2	AO2	6.3b	Monitoring & Maintaining Health	This question is about the heart and circulation and disease.			
5	1c	2	AO1	3.3g	Maintaining Internal Environments	This question is about the heart and circulation and disease.			
6	1a	2	AO2	5.1i	Inheritance	This question is about genetics.			
6	1bi	2	AO2	5.1j	Inheritance	This question is about genetics.			
6	1bii	4	AO1, AO2, AO3	3.3c, 5.1j	Inheritance, Maintaining Internal Environments	This question is about genetics.			
7	1a	1	AO2	2.1b, 5.1f	Supplying the Cell, Inheritance	This question is about food security and disease.			
7	1b	3	AO2	6.2b, 6.2c	Feeding the Human Race	This question is about food security and disease.			
7	1ci	2	AO3	6.2b	Feeding the Human Race	This question is about food security and disease.			Y
7	1cii	3	AO3	6.2b	Feeding the Human Race	This question is about food security and disease.			
8	1a	2	AO1	4.1e, 4.1h	Ecosystems	This question is about food webs and biomass.			
8	1bi	2	AO1	4.1a	Ecosystems	This question is about food webs and biomass.			Y
8	1bii	6	AO1, AO3	6.1a	Monitoring & Maintaining the Environment	This question is about food webs and biomass.	LoR Question		
8	1c	4	AO2	5.2c, 4.1g	Ecosystems, Natural Selection & Evolution	This question is about food webs and biomass.			
9	1a	1	AO1	4.1g	Ecosystems	This question is about sampling.			

Question Set	Q.	Total Marks	AO	Spec Ref.	Topic	Question Subject, If required	Additional Notes/Comments	Maths	Practical Assessment
9	1b	2	AO2	4.1g, 1.4a	Ecosystems, Photosynthesis	This question is about sampling.			
9	1c	1	AO2	6.1b, 2.2a	Monitoring & Maintaining the Environment, Challenges of Size	This question is about sampling.			
9	1di	1	AO1	6.1a	Monitoring & Maintaining the Environment	This question is about sampling.			
9	1di	2	AO2	6.1b	Monitoring & Maintaining the Environment	This question is about sampling.			Y
9	1diii	2	AO3	6.2b	Feeding the Human Race	This question is about sampling.		Y	
9	1div	3	AO3	6.2d	Feeding the Human Race	This question is about sampling.			
10	1ai	1	AO2	4.1d	Ecosystems	This question is about enzyme action and decay.	Graph not to size / formatting issues	Y	
10	1aii	1	AO2	1.3b	Respiration	This question is about enzyme action and decay.			
10	1b	2	AO1	4.1d, 1.2g	Ecosystems, What Happens in Cells	This question is about enzyme action and decay.	formatting issues		
10	1c	2	AO3	4.1d	Ecosystems	This question is about enzyme action and decay.			
11	1a	2	AO1	5.1c	Inheritance	This question is about genetic variation.			
11	1b	3	AO1, AO2	5.1h	Inheritance	This question is about genetic variation.			
12	1a	1	AO3	6.1b	Monitoring & Maintaining the Environment	This question is about germination.			
12	1b	2	AO3	6.1b	Monitoring & Maintaining the Environment	This question is about germination.		Y	
12	1ci	2	AO2	6.1b	Monitoring & Maintaining the Environment	This question is about germination.		Y	
12	1cii	1	AO3	6.1b	Monitoring & Maintaining the Environment	This question is about germination.			
13	1a	2	AO1	5.1k	Inheritance	This question is about genetic inheritance.			
13	1bi	1	AO2	5.1k	Inheritance	This question is about genetic inheritance.		Y	
13	1bii	1	AO2	5.1k	Inheritance	This question is about genetic inheritance.		Y	
13	1biii	2	AO3	5.1k	Inheritance	This question is about genetic inheritance.			
14	1a	2	AO3	4.1d	Ecosystems	This question is about decay.			
14	1bi	2	AO2	4.1d	Ecosystems	This question is about decay.		Y	
14	1bii	1	AO3	4.1d	Ecosystems	This question is about decay.			
14	1c	2	AO1	4.1d	Ecosystems	This question is about decay.			
15	1a	2	AO1	5.1a, 5.1d	Inheritance	This question is about inheritance.			
15	1bi	1	AO2	5.1a, 5.1i	Inheritance	This question is about inheritance.			

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15	1bii	1	AO1	3.1d	Coordination & Control - Nervous System	This question is about inheritance.			
15	1c	3	AO1, AO3	5.1j	Inheritance	This question is about inheritance.		Y	
15	1di	2	AO1	2.1e, 6.3v	Supplying the Cell, Monitoring & Maintaining Health	This question is about inheritance.			
15	1dii	2	AO1	6.3q	Monitoring & Maintaining Health	This question is about inheritance.			
16	1ai	1	AO2	4.1j	Ecosystems	This question is about energy efficiency and genetic modification.			
16	1aii	1	AO1	4.1i	Ecosystems	This question is about energy efficiency and genetic modification.			
16	1bi	6	AO1, AO2, AO3	6.2b, 6.2g, 1.4a	Feeding the Human Race, Photosynthesis	This question is about energy efficiency and genetic modification.	LoR Question		
16	1bii	2	AO2	6.2f	Feeding the Human Race	This question is about energy efficiency and genetic modification.			
17	1a	2	AO1	6.2c	Feeding the Human Race	This question is about selective breeding.			
17	1b	4	AO3	6.2c	Feeding the Human Race	This question is about selective breeding.			
17	1ci	1	AO3	6.2c	Feeding the Human Race	This question is about selective breeding.			
17	1cii	2	AO3	6.2c	Feeding the Human Race	This question is about selective breeding.			
18	1a	1	AO1	6.2a	Feeding the Human Race	This question is about genetic modification.			
18	1bi	2	AO1	6.2d	Feeding the Human Race	This question is about genetic modification.			
18	1bii	2	AO1	6.2g	Feeding the Human Race	This question is about genetic modification.			
18	1biii	2	AO1, AO2	6.2f	Feeding the Human Race	This question is about genetic modification.		Y	
19	1a	2	AO1	6.3i, 6.3j	Monitoring & Maintaining Health	This question is about drug trials.			
19	1bi	1	AO1	6.3q	Monitoring & Maintaining Health	This question is about drug trials.			
19	1bii	2	AO2	6.3q	Monitoring & Maintaining Health	This question is about drug trials.		Y	
19	1c	2	AO2	6.3q	Monitoring & Maintaining Health	This question is about drug trials.			
20	1a	1	AO2	2.1a, 1.4b	Supplying the Cell, Photosynthesis	This question is about sampling and biodiversity.			
20	1b	1	AO1	6.1a	Monitoring & Maintaining the Environment	This question is about sampling and biodiversity.			Y
20	1ci	3	AO1, AO2	6.1a	Monitoring & Maintaining the Environment	This question is about sampling and biodiversity.		Y	Y
20	1cii	3	AO3	6.1a	Monitoring & Maintaining the Environment	This question is about sampling and biodiversity.			Y

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20	1ciii	2	AO3	6.1a	Monitoring & Maintaining the Environment	This question is about sampling and biodiversity.			Y
20	1d	6	AO1, AO2	6.1c, 6.2b	Monitoring & Maintaining the Environment, Feeding the Human Race	This question is about sampling and biodiversity.	LoR Question		
21	1a	2	AO1	6.3j	Monitoring & Maintaining Health	This question is about genetics.			
21	1b	3	AO2, AO3	5.1j	Inheritance	This question is about genetics.		Y	
21	1c	3	AO2	5.2c	Natural Selection & Evolution	This question is about genetics.			
21	1d	3	AO2	1.1b, 1.3a	Cell Structures, Respiration	This question is about genetics.			
22	1a	3	AO1	6.3f, 6.3r, 6.3b	Monitoring & Maintaining Health	This question is about communicable diseases.			
22	1bi	2	AO2	6.3o, 5.2e	Monitoring & Maintaining Health, Natural Selection & Evolution	This question is about communicable diseases.			
22	1bii	2	AO3	6.3o, 5.2e	Monitoring & Maintaining Health, Natural Selection & Evolution	This question is about communicable diseases.			
23	1ai	2	AO2	4.1h	Ecosystems	This question is about food webs.			
23	1aii	2	AO2	4.1g	Ecosystems	This question is about food webs.			
23	1aiii	1	AO1	4.1h	Ecosystems	This question is about food webs.			
23	1bi	4	AO2	4.1f, 4.1g	Ecosystems	This question is about food webs.		Y	Y
23	1bii	3	AO3	4.1g	Ecosystems	This question is about food webs.			
24	1a	2	AO1	4.1c, 4.1a, 1.3a, 1.4b	Ecosystems, Respiration, Photosynthesis	This question is about the carbon cycle.			
24	1bi	2	AO1, AO2	4.1b	Ecosystems	This question is about the carbon cycle.			
24	1bii	2	AO2	4.1c, 1.3c, 1.4b	Ecosystems, Respiration, Photosynthesis	This question is about the carbon cycle.			
25	1a	3	AO2	1.3c, 2.2d, 6.3s	Monitoring & Maintaining Health, Challenges of Size, Respiration	This question is about coronary heart disease.			
25	1bi	1	AO2	6.3t	Monitoring & Maintaining Health	This question is about coronary heart disease.			
25	1bii	1	AO3	6.3t	Monitoring & Maintaining Health	This question is about coronary heart disease.		Y	
25	1biii	3	AO2, AO3	6.3t	Monitoring & Maintaining Health	This question is about coronary heart disease.			

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25	1ci	2	AO2, AO3	6.3s, 2.2d	Monitoring & Maintaining Health, Challenges of Size	This question is about coronary heart disease.			
25	1cii	2	AO2	6.3s	Monitoring & Maintaining Health	This question is about coronary heart disease.			
26	1a	1	AO1	4.1h	Ecosystems	This question is about food webs and natural selection.			
26	1b	2	AO3	4.1g	Ecosystems	This question is about food webs and natural selection.			
26	1ci	2	AO2	4.1f	Ecosystems	This question is about food webs and natural selection.			
26	1cii	4	AO2	5.2c, 5.2d	Natural Selection & Evolution	This question is about food webs and natural selection.			