

Revision Sheet

IGCSE Biology · Unit 19 Organisms and their environment

10 vocabulary items · 32 marks of exam questions (6 questions)

Part 1 · Vocabulary review answer key. Section A wants the exact English spelling.

Question	Answer	Marks
1	food chain	1
2	food web	1
3	producer	1
4	consumer	1
5	trophic level	1
6	pyramid	1
7	biomass	1
8	nitrogen cycle	1
9	population	1
10	ecosystem	1

Multiple Choice Answers

Q11: D

Q12: B

Multiple Choice Answers

Q13: B

Multiple Choice Answers

Q14: A

15(a)	1 / one ;
15(b)	
15(c)(i)	arrow drawn from carbon in producers to carbon in consumers ;
15(c)(ii)	the Sun ;
15(d)	fossil fuels are used more quickly than they are produced ; fossil fuels will run out ;

15(e)	<i>any two from:</i> habitat destruction ; reducing biodiversity / species endangerment / decrease in animal / plant numbers ; extinction ; loss of soil / soil erosion / land slides ; flooding ; AVP ;;
15(f)(i)	0.04 (%) ;
15(f)(ii)	methane / CH ₄ / AVP ;

16(a)	<i>quaternary consumer</i> wolf ; <i>herbivore</i> rabbit / grasshopper ; <i>secondary and tertiary consumer</i> road runner / wolf ; <i>trophic level one</i> grass ;
16(b)(i)	3 horizontal rectangular blocks and pyramid shaped with widest block at the bottom / pyramid divided into 3 with horizontal lines ; 3 species (correctly) labelled ;
16(b)(ii)	the Sun / sun ;
16(b)(iii)	<i>any three from:</i> <i>(road runner) population decrease caused by</i> 1 less food (fewer rabbits) available for wolves / AW ; 2 wolves eat more road runners ; <i>(road runner population) increase caused by</i> 3 (fewer rabbits) so more grass available for grasshoppers ; 4 so more, grasshoppers / food, for road runners ; 5 more reproduction of road runners ;
16(c)(i)	<i>any two from:</i> 1 kill / controls / gets rid of, insects ; 2 increases crop, yield / production / quality ; 3 AVP ;

16(c)(ii)

any three from:

- 1 deforestation / cutting down trees / habitat destruction ;
- 2 introduction of foreign species / named example e.g. feral cats ;
- 3 hunting (for sport) ;
- 4 catching for food / overharvesting ;
- 5 deliberate poisoning (of a raptor) ;
- 6 killed on roads / by aeroplanes ;
- 7 climate change / global warming ;
- 8 (named) pollution;
- 9 AVP ;