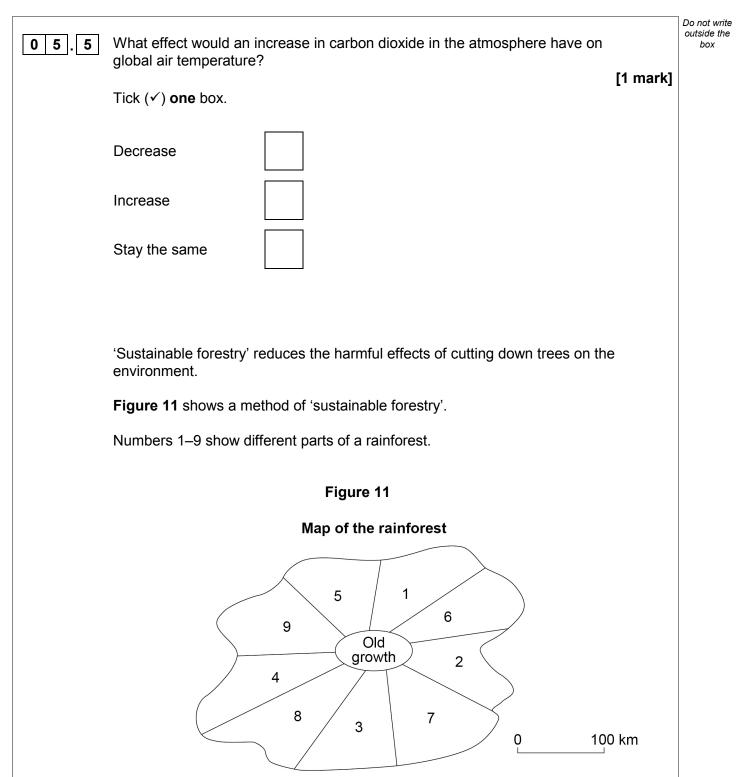




05.2	Before the arrival of humans, there were no other large animals living on the island. Suggest two reasons why the dodo became extinct soon after the arrival of humans. [2 marks] 1 2	Do not write outside the box
0 5.3	Today, humans are cutting down large areas of tropical rainforests. Suggest one use of the land after the trees have been removed. [1 mark]	
0 5.4	Why does the removal of trees cause an increase in carbon dioxide in	
	the atmosphere? [2 marks] Tick (✓) two boxes. There are fewer animals. There is less photosynthesis.	
	There is less protosynthesis.	





The trees are cut down in the sequence 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9

- The trees are cut down in only one area at any one time.
- It takes 30 years to cut down the trees in each area.
- The trees in the 'Old growth' area are never cut down.



0 5.6	How many years would it take to cut down the trees in all of the numbered areas in Figure 11 ?	Do not write outside the box
	[2 marks]	
	Number of years =	
0 5.7	The rainforest contains:	
	 750 species of trees 	
	400 species of birds	
	150 species of butterflies	
	 many other species of plants and animals. 	
	Explain how the pattern of cutting down trees shown in Figure 11 stops the biodiversity of the rainforest being reduced.	
	[4 marks]	
		13



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Question	Answers	Extra information	Mark	AO / Spec. Ref.
05.1	Raphus		1	AO2 4.6.4
05.2	 any two from: humans hunted / killed / ate the dodo or dodo easy to catch humans ate / collected eggs humans ate the dodo's food animals brought by humans ate dodo / eggs diseases introduced by humans or by imported animals humans destroyed dodo's habitat / nests 	allow examples – eg cats / dogs / pigs / rats allow deforestation	2	AO2 4.6.3.6
05.3	 any one from: growing crops / biofuels grazing animals building houses quarrying / mining dumping waste 	allow farming / agriculture allow other correct examples – eg building roads	1	AO1 4.7.3.3 4.7.3.4
05.4	there is less photosynthesis the trees are burned		1	AO2 4.4.1.1 4.4.1.2 4.7.3.4 4.7.3.5
05.5	increase		1	AO1 4.7.3.5
05.6	9 × 30 270	an answer of 270 scores 2 marks	1	AO2 4.7.3.4 4.7.3.6

Question	Answers	Mark	AO / Spec. Ref.
05.7	Level 2: Relevant points (reasons/causes) are identified, given in detail and logically linked to form a clear account.	3–4	AO3
	Level 1: Points are identified and stated simply, but their relevance is not clear and there is no attempt at logical linking.	1–2	
	No relevant content	0	-
	Indicative content		4.7.3.1 4.7.3.4
	 displaced animals can move to adjacent areas where suitable habitat is found or where the trees have not been cut down 		4.7.3.6
	seeds return to deforested areafrom other (forested) areas		
	 plants / trees begin to grow back so provide food / shelter / nest sites / suitable habitat for animals 		
	animals return to re-growing areafrom other (forested) areas		
	sufficient time for regeneration		
	old growth area is a source of recolonising organisms		
Total		13	