

Biodiversity and Effect of humans on Ecosystem 2

QUESTION 1

QUESTION	ANSWER	EXTRA INFORMATION	MARKS
a)	improving quality of life or meeting (current) needs without compromising future or without harming environment	allow preserving natural resources ignore reference to using renewables / planting trees and other examples	1 1
b)	any three from eg: <ul style="list-style-type: none"> • using public transport / walk / cycle / car share • recycling • using energy efficient appliances • switching off appliances when not in use • insulating home or reducing household temperatures • using less water by eg showering instead of bath • using renewable energy or reducing use of fossil fuels • using local resources or growing own food 	ignore litter / pollution / rubbish award only one mark for recycling allow references to using less energy / electricity only if there is reference to specific example of how reduction can be achieved ignore planting trees	3
Total marks			5

QUESTION 2

QUESTION	ANSWER	EXTRA INFORMATION	MARKS
a)i)	(more) habitats / (greater) variety of habitats / range of food	allow (more) places / trees for homes or different places to live allow no pesticides / herbicides / chemicals sprayed allow more food allow safer / can hide allow effects of machinery	1
a)ii)	any two from: <ul style="list-style-type: none"> ✗ building / houses / factories / etc ✗ roads ✗ quarrying 	ignore timber / uses of wood	2

	<ul style="list-style-type: none"> ✗ waste dumps / landfill ✗ grazing 		
b)i	fertilisers		1
b)ii)	pesticides		1
b)iii)	pesticide / herbicide / chemicals / sprays	allow river (through farmland) polluted allow correct effect of fertilisers on river organisms	1
c)	<ul style="list-style-type: none"> any two from ✗ pollution / named pollutant / combustion / cars ✗ dumping waste / litter ✗ raw materials used up or reference to quarries / mines ✗ chopping down trees ✗ building / houses / etc ✗ global warming 	allow 'not recycling'	2
Total marks			8

QUESTION 3

QUESTION	ANSWER	EXTRA INFORMATION	MARKS
a)i)	carbon dioxide		1
a)ii)	sulfur dioxide		1
b)i)	reduces land available for animals and plants		1
b)ii)	metals		1
c)i)	pesticide		1
c)ii)	kill other animals		1
Total marks			6