## AQA, OCR, Edexcel

## A Level

## A Level Biology

Energy and Ecosystems
Answers

Name:

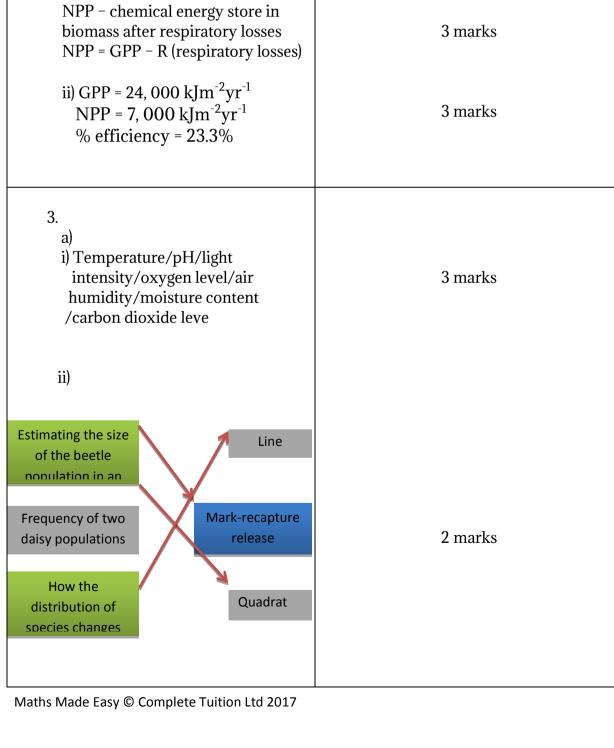


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Total Marks: /28

## **Energy and Ecosystems**

Answer	Marks
1.  a)  i) An ecological unit which includes all the organisms living in a certain area and all of the abiotic features in that environment	2 marks
ii) Via the food chain	1 mark
b) i) - Advantage: data is accurate/usually always pyramid shaped - Disadvantage: Difficult to obtain raw data	2 marks
ii) Pyramid of numbers:	
	2 marks
Pyramid of Energy:	



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- marked individuals have enough	
time to mix with the population	
- marking has not affected chance	
of survival/predation.	3 marks
- Changes in population as a	
result of births/deaths/migration	
are negligible	
-Markings are still visible upon	
recapture.	
iv) Line transect counts anything touching the line Belt transect counts anything between two lines of the transect	2 marks
v) Divide the area up into a grid and then randomly calculate coordinates at which to lay the quadrat down and measure/random number generator to select coordinates.	2 marks