Question Number	Acceptable Answer	Additional guidance	Mark
6(a)	NPP = GPP - R (1)		(1)

Question Number	Acceptable Answer	Additional guidance	Mark
6(b)(i)	A description that makes reference to the following: use of several quadrats of stated area placed at random (1)		
	heather placed in drying oven until constant mass (1)		(2)

Question Number	Acceptable Answer	Additional guidance	Mark
6(b)(ii)	• (gradient) 46.875 (g m ⁻² yr ⁻¹) x 22.186 (kJ) = 1039.97 (g kJ m ⁻² yr ⁻¹) (1)	Example 750 g m ⁻² \div 16 years = 46.875 g m ⁻² yr ⁻¹	
	• $(1037.97 \div 3\ 144\ 000) \times 100 = 0.033\% (1)$		(2)

Question Number	Acceptable Answer	Additional guidance	Mark
6(b)(iii)	An explanation that makes reference to the following:		
	moss not all removed by burning so quickly re-grows (1)		
	 mat grass colonises after 1 year and outcompetes moss for {light / minerals / water} so is the dominant plant after 5 years (1) 		
	 both decrease as heather colonises and becomes dominant as the heather outcompetes them both for {light / minerals / water} (1) 		(3)

(Total for Question 6 = 8 marks)