Question Number	Answer		Mark
11	Use of $\lambda = h/p$	(1)	
	Use of $p = mv$	(1)	
	$m = 9.1 \times 10^{-31}$ (kg), so mass is that of an electron		
	Or $m = 9.1 \times 10^{-31}$ (kg), so equals m _e		
	Or $m = 9.1 \times 10^{-31}$ (kg), so yes it is	(1)	3
	(MP3 – Do not allow answers that suggest the calculated mass is less than that of an electron, but allow "similar", "about the same")		
	Example of calculation		
	$p = \frac{h}{\lambda} = \frac{6.63 \times 10^{-34} \text{ J s}}{7.37 \times 10^{-10} \text{ m}} = 9.00 \times 10^{-25} \text{ kg m s}^{-1}$		
	$m = \frac{p}{v} = \frac{9.00 \times 10^{-25} \text{ kg m s}^{-1}}{9.89 \times 10^5 \text{ m s}^{-1}} = 9.10 \times 10^{-31} \text{ kg}$		

Total for question 11