12	A kettle was used to heat 855 g of water to boiling point. The initial temperature of the water was 21.5° C and it took 115s to heat the water to 100° C. The kettle is left switched on for 175s after the water has reached 100° C. Calculate the mass of water that was boiled away. specific heat capacity of water = $4190\text{J}\text{kg}^{-1}\text{K}^{-1}$ specific latent heat of vaporisation of water = $2.26\times10^6\text{J}\text{kg}^{-1}$	
	Mass of water that was boiled away =	

(Total for Question 12 = 4 marks)