Т	his question is about electric current.	
(;	a) State what is meant by the term electric current .	(1)
(o) Give the name of the particles that flow if there is an electric current in a wire.	(1)
(c	An electric heater contains wires that heat up when there is a current in the wires	······································
	The electric heater has a power of 1.4 kW when connected to a mains voltage of 2	230 V.
	(i) State the formula linking power, current and voltage.	(1)
	(ii) Calculate the current in the wires.	(3)
	current =	
	(iii) Explain why the current in the wires causes the temperature of the wires to in	
	(Total for Question 2 = 8 m	arks)

