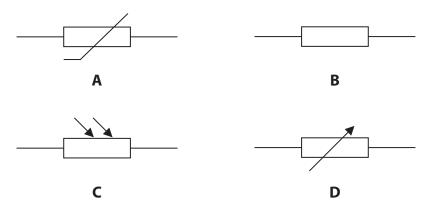
- 2 This question is about electricity.
 - (a) The diagram shows some electrical circuit symbols.



(i) Which symbol represents a light dependent resistor (LDR)?

(1)

- \bowtie A
- \boxtimes B
- ⊠ C
- \boxtimes D
- (ii) Which symbol represents a fixed resistor?

(1)

- \mathbf{X} A
- \boxtimes B
- \times D

		electric heater connected to the mains supply has a power of 2200 W. State the equation linking power, current and voltage.	(1)
(ii)		Show that the current in the electric heater is approximately 10 A. mains supply voltage = 230 V]	(2)
(iii)	A B	Which of these fuses should be used with the electric heater? A 3 A B 5 A C 7 A 13 A	(1)
(iv)		Explain how the fuse protects the electric heater when the current in the electric heater is too high.	(2)
(Total for Question 2 = 8 marks)			

