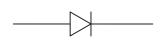
Answer ALL questions.

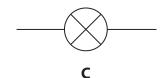
1 (a) The diagram shows some electrical circuit symbols.



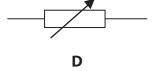
Α



R



(i) Which symbol represents a switch?



X A

⊠ B

 \square D

(ii) Which symbol represents a diode?

(1)

(1)

A

■ B

X C

 \boxtimes D

 (b) A hairdryer connected to the mains supply takes a current of 5.5 A. (i) Which of these fuses should be used with the hairdryer? A 3 A 	(1)
□ 13 A	
(ii) Explain your answer.	(1)
(iii) The hairdryer has a plastic case so there is no need for an earth wire con in the plug. Explain why the hairdryer is still safe to use.	nnection (2)
(Total for Question 1	= 6 marks)

