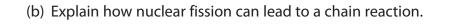
11	In a nuclear r	eactor, a ura	nium-235	nucleus	absorbs a	neutron	and f	fission	occurs
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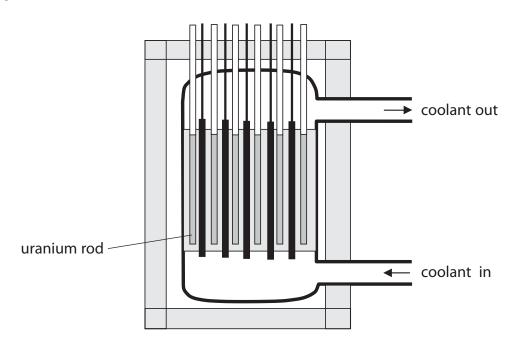
(a) Complete the equation below that shows a typical fission reaction.

(2)



(3)

(c) The diagram shows a nuclear reactor.



(i) On the diagram, label the control rods and the shielding.

(2)

(ii)	Explain	why the	shielding	is needed
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(2)

(Total for Question 11 = 9 marks)

