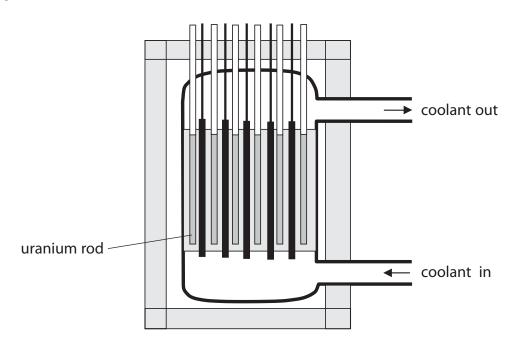
(a) Complete the equation below that shows a typical fission reaction.

(2)

(b) Explain how nuclear fission can lead to a chain reacti	ion.
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(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)

