

2 This question is about nuclear fission and nuclear fusion.

(a) The table gives some statements about nuclear fission, or nuclear fusion, or both nuclear fission and nuclear fusion.

Place ticks (✓) in the table to show which statements are about nuclear fission and which statements are about nuclear fusion.

(3)

Statement	Nuclear fission	Nuclear fusion
requires high pressure and high temperature		
energy is released		
radioactive daughter nuclei are produced		

(b) Nuclear fission reactors use control rods and a moderator.

Describe the function of the control rods and the function of the moderator in a nuclear fission reactor.

(2)

control rods

moderator

(Total for Question 2 = 5 marks)

DO NOT WRITE IN THIS AREA

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