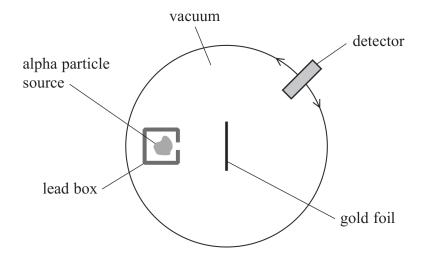
16 In the early 20th century, experiments were carried out in which alpha particles were directed towards thin gold foil.

A simplified diagram of the apparatus used is shown.



(a)	State three	observations	and the	corresponding	conclusions	made :	from	the	alpha
	particle scattering experiment.								

(6)

16

(Total for Question 16 = 13 marks)