

Paper Reference(s) 4PH1/1P 4SD0/1P
Pearson Edexcel International GCSE (9–1)

Physics

Science (Double Award) 4SD0

Paper: 1P

Time: 2 hours plus your additional time allowance

Diagram Booklet

In the boxes below, write your name, centre number and candidate number.

Surname					
Other names					
Centre Number					
Candidate Number					

INSTRUCTIONS

There may be spare copies of some diagrams in case you need them.

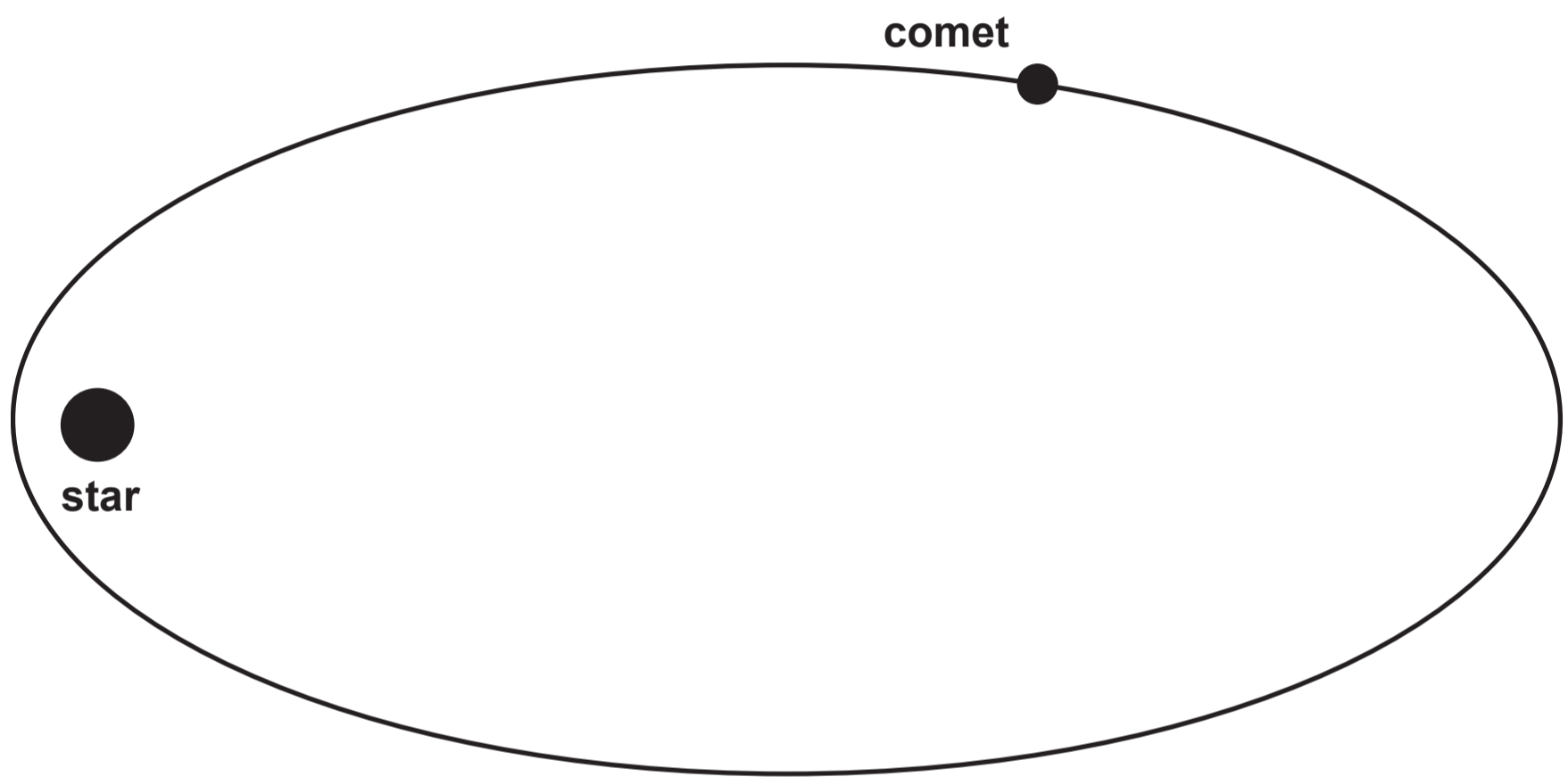
THIS DIAGRAM BOOKLET MUST BE RETURNED WITH THE QUESTION PAPER AT THE END OF THE EXAMINATION.

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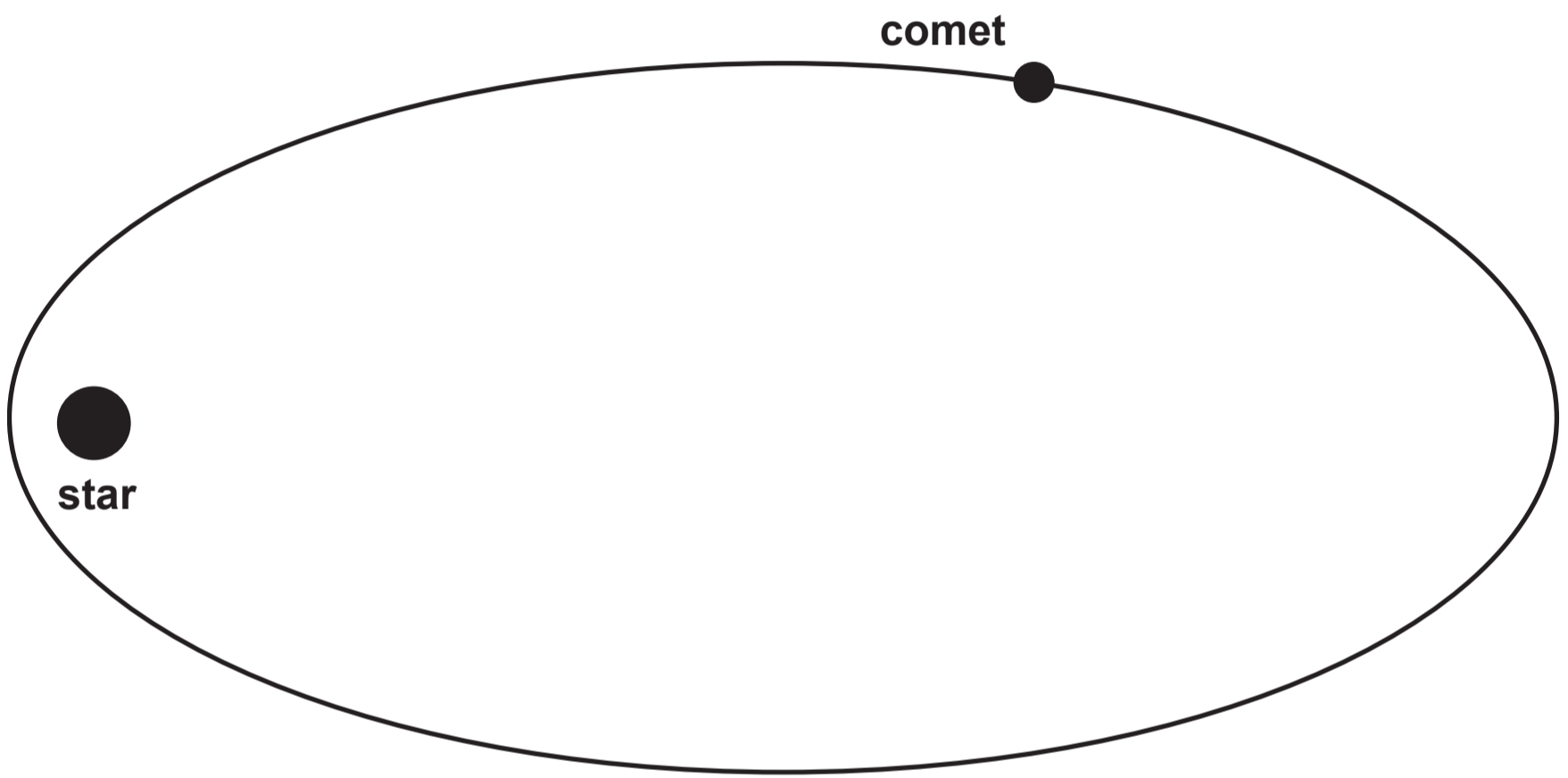
Question 1(b)

not to scale

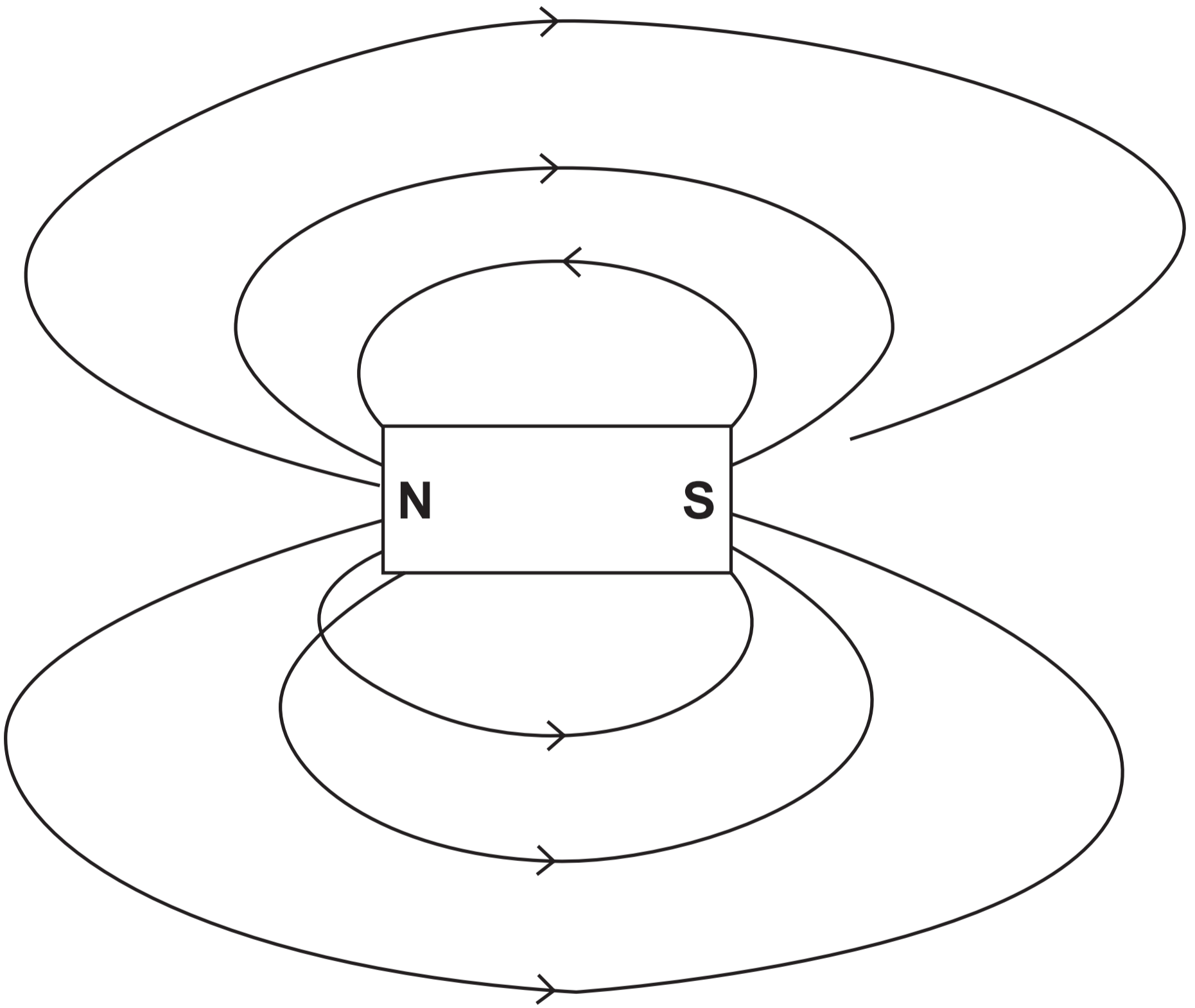


Question 1(b) (Spare copy)

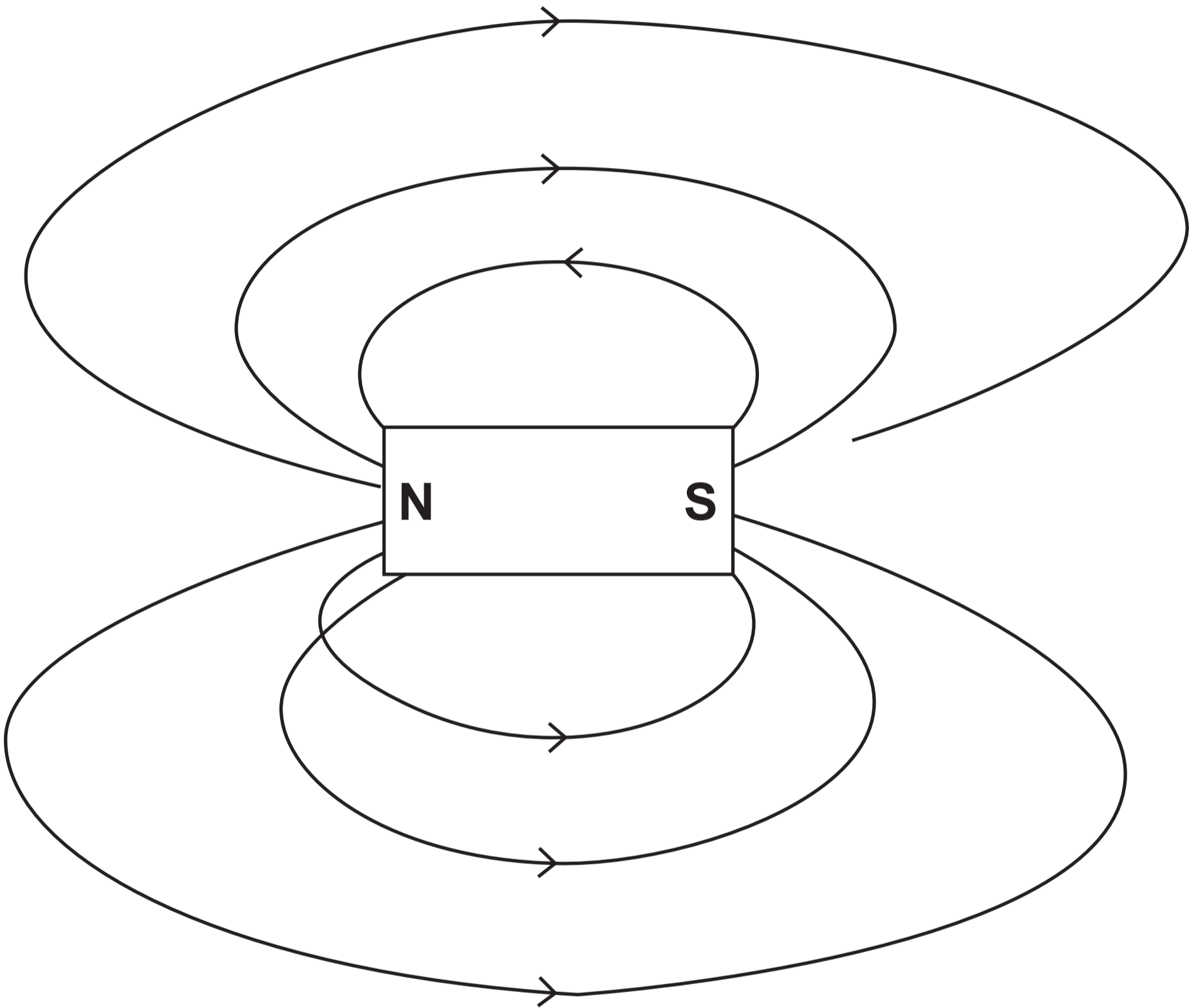
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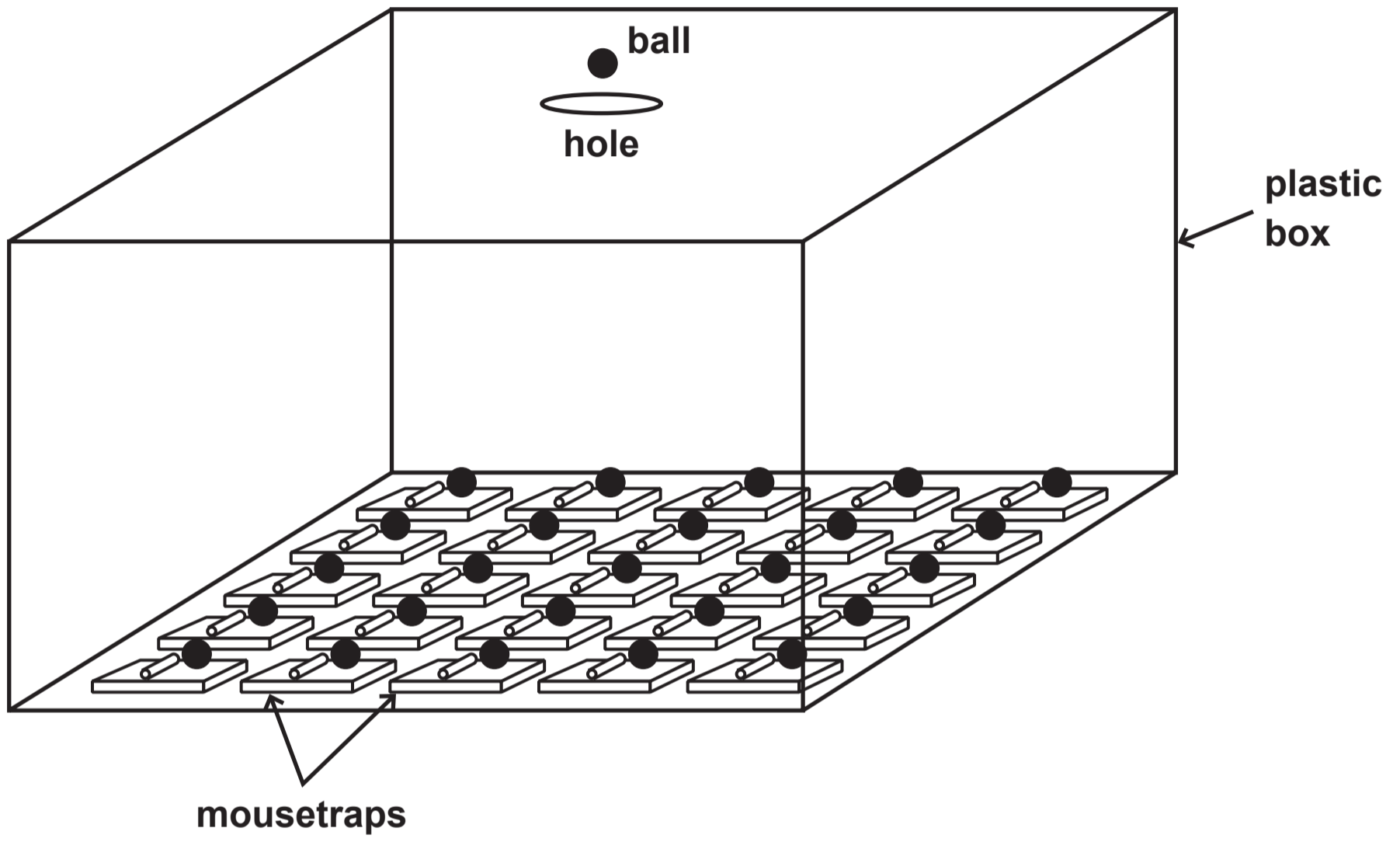
Question 2(b)



Question 2(b) (Spare copy)



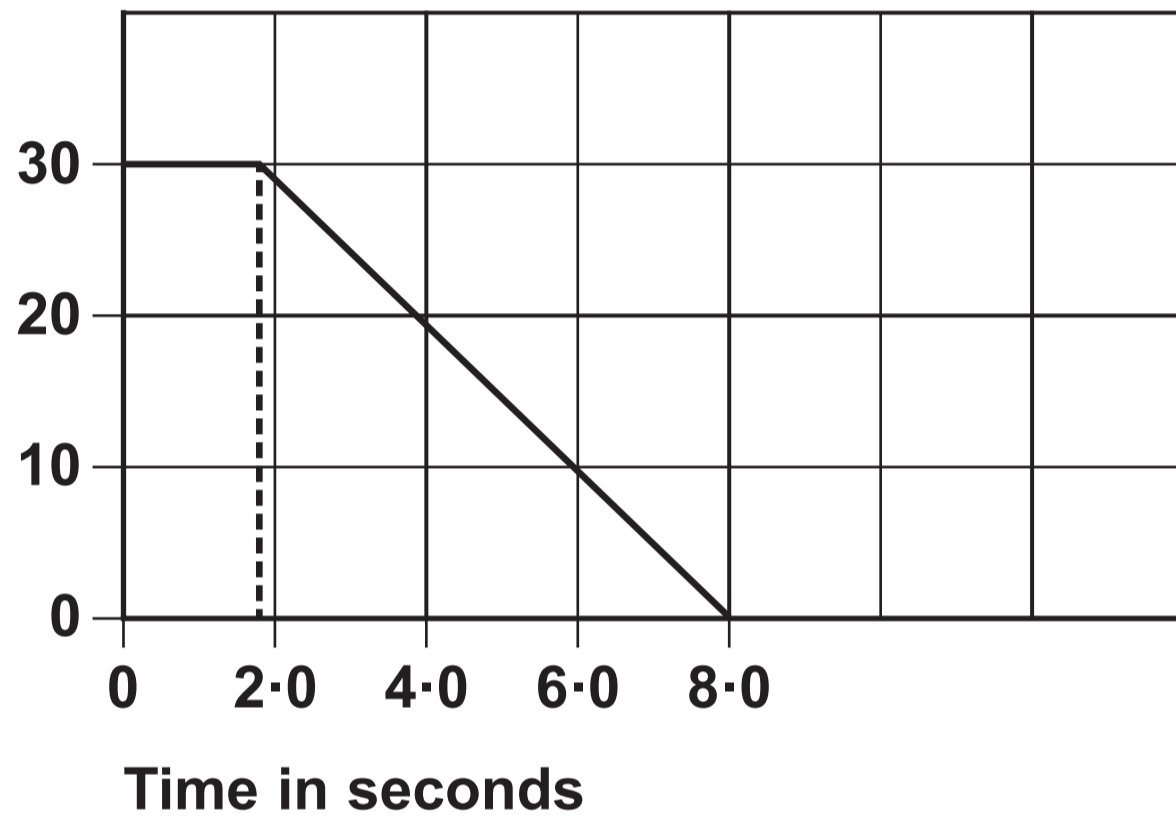
Question 3



Question 3(c)**absorb****ionise****neutralise****reflect****slow****boron****granite****graphite****paper****uranium**

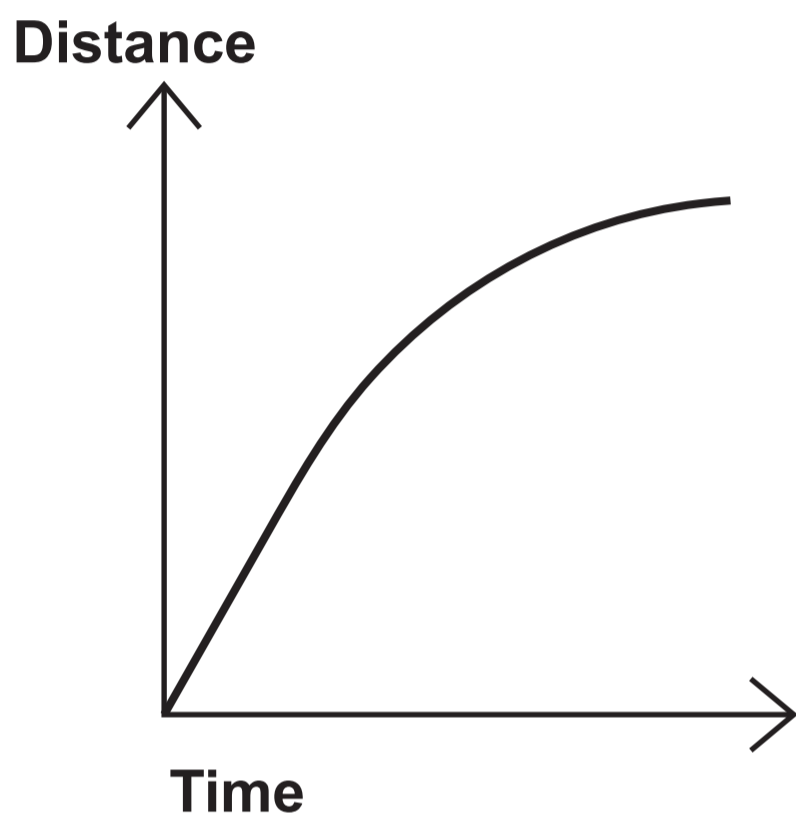
Question 4(a)

Velocity
in m/s

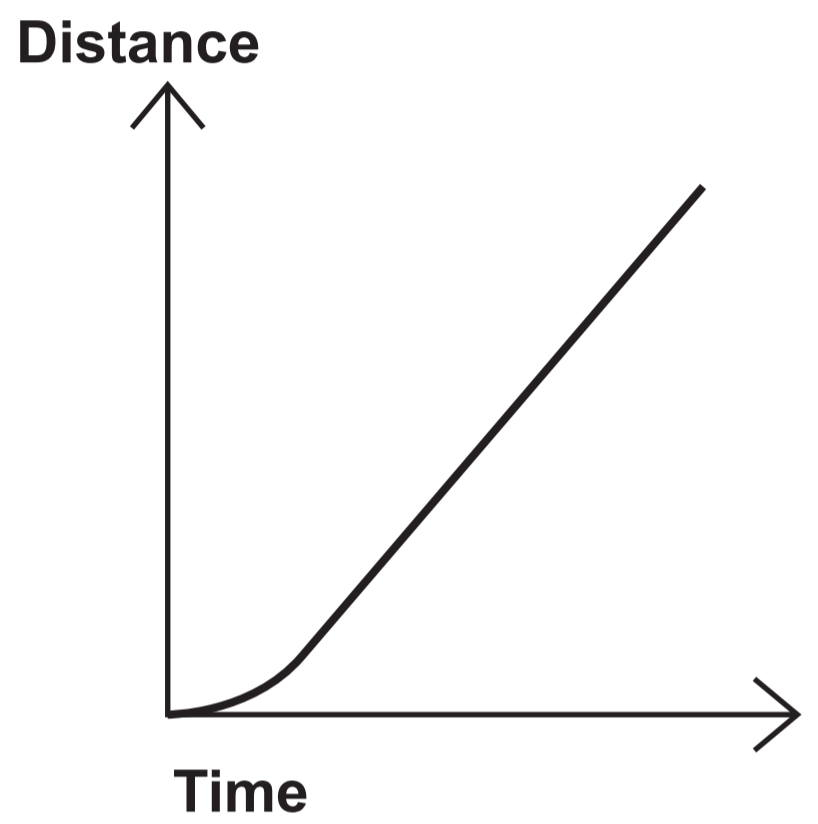


Question 4(b)

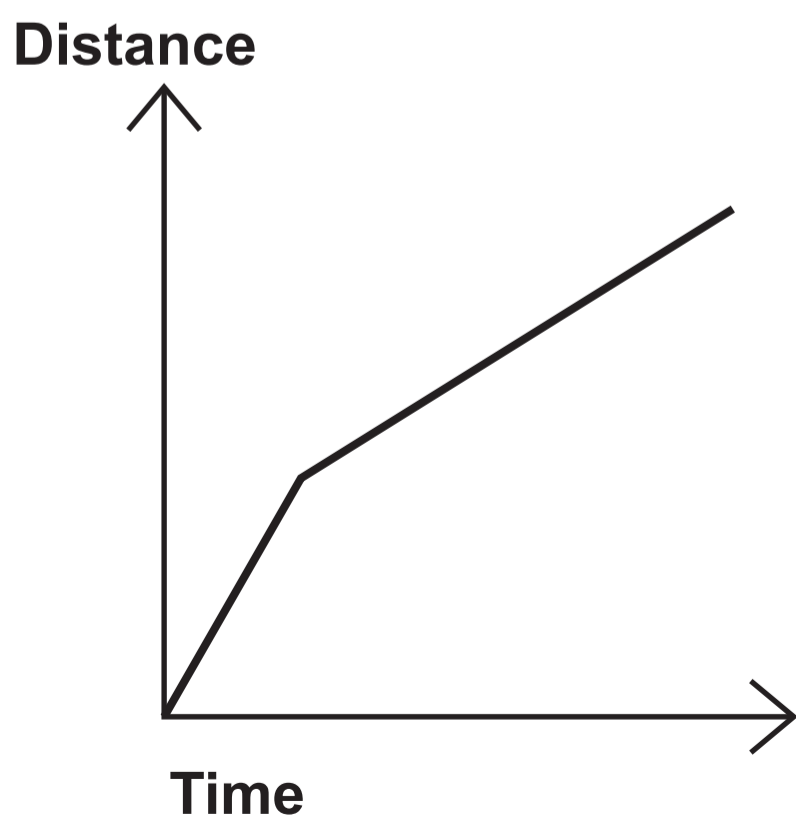
A



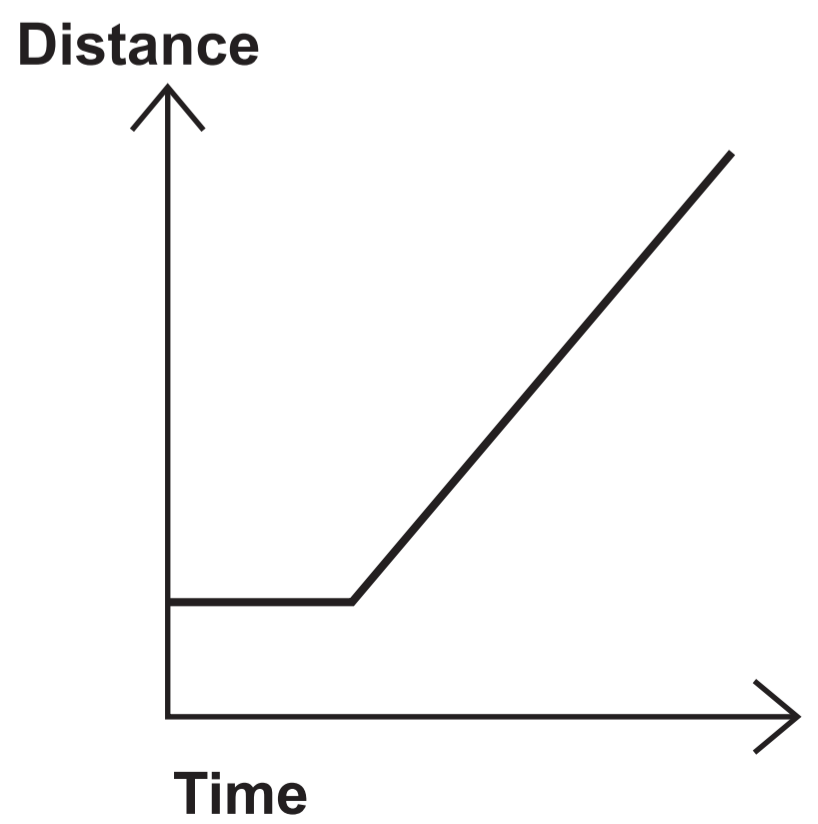
B



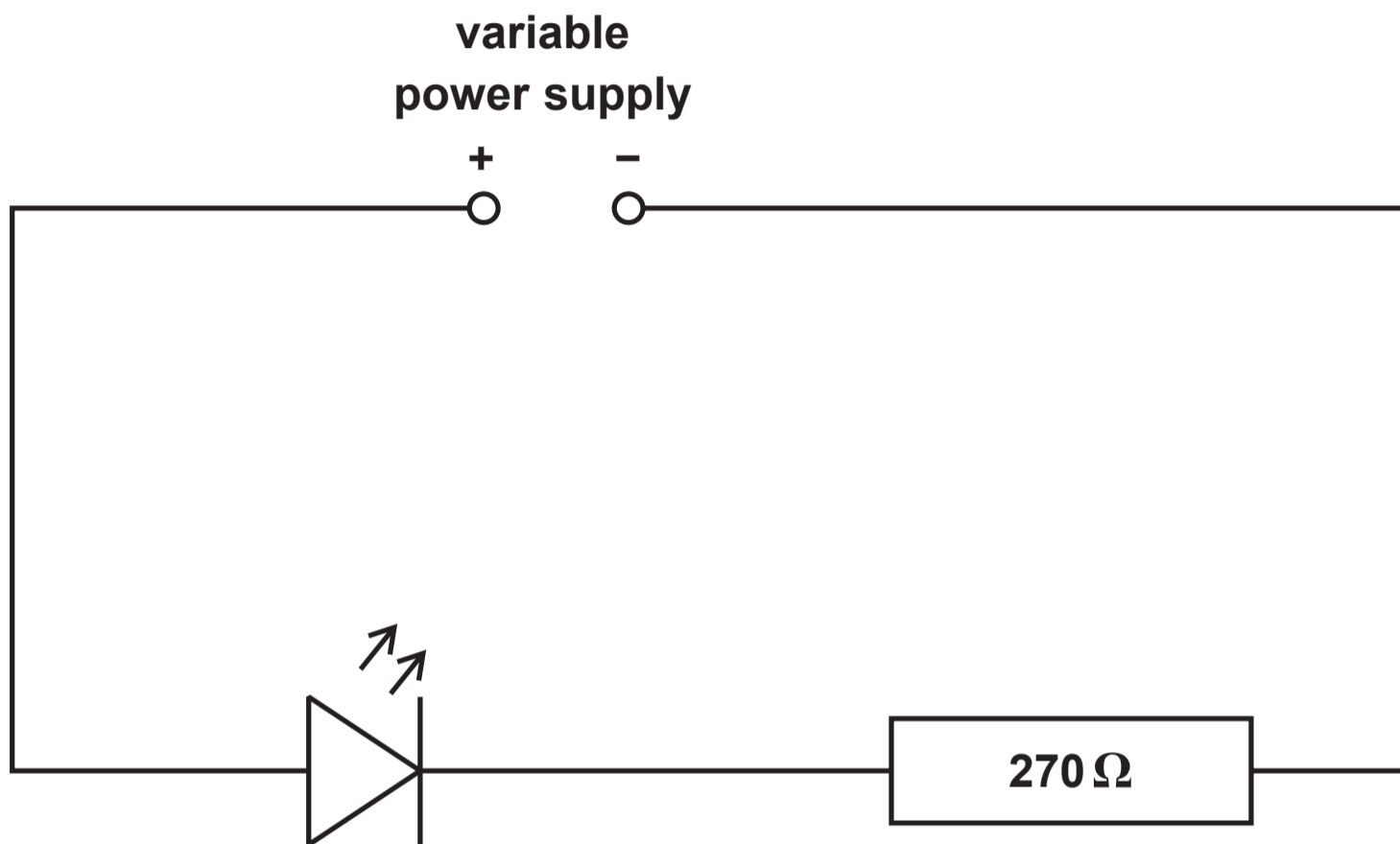
C



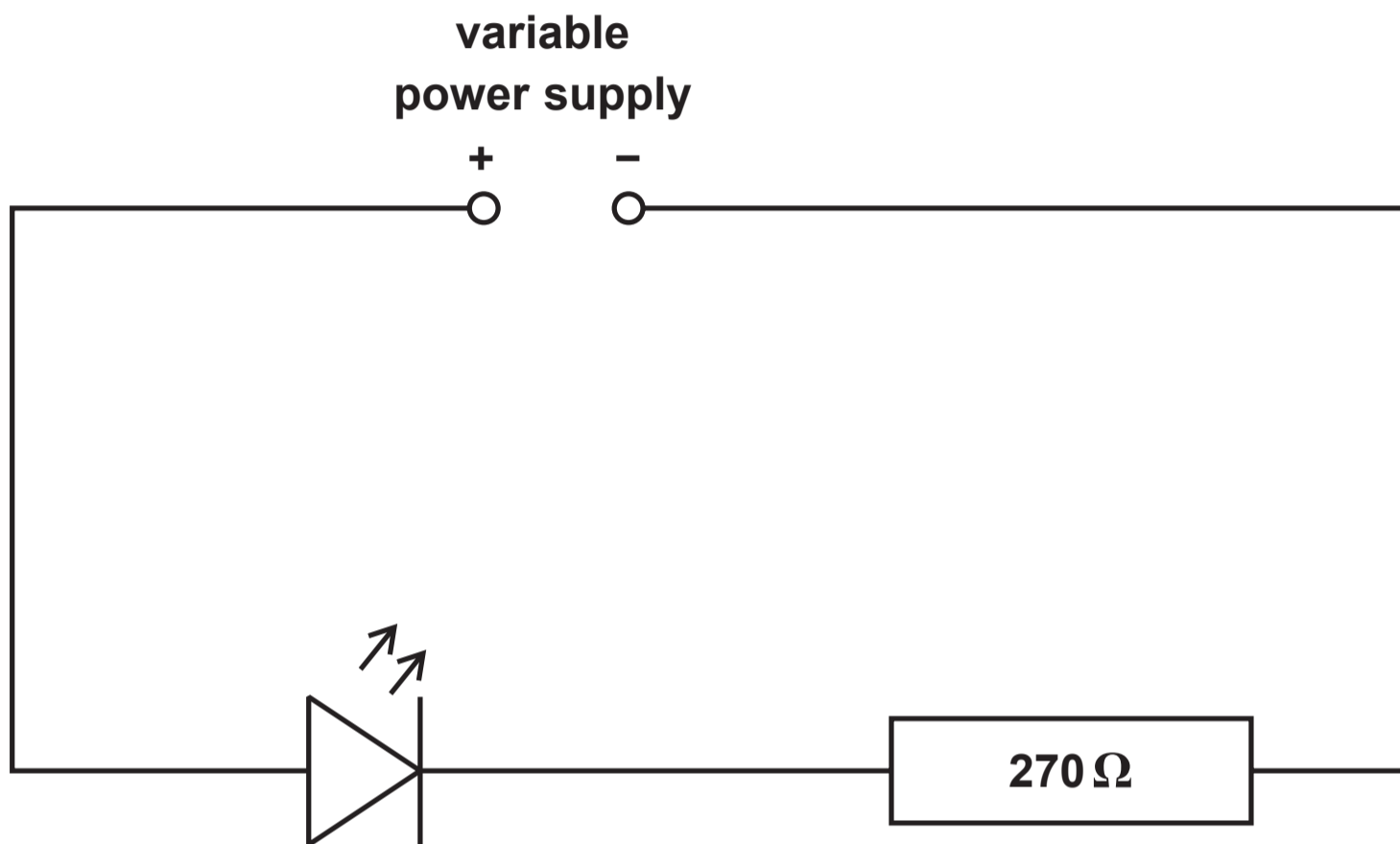
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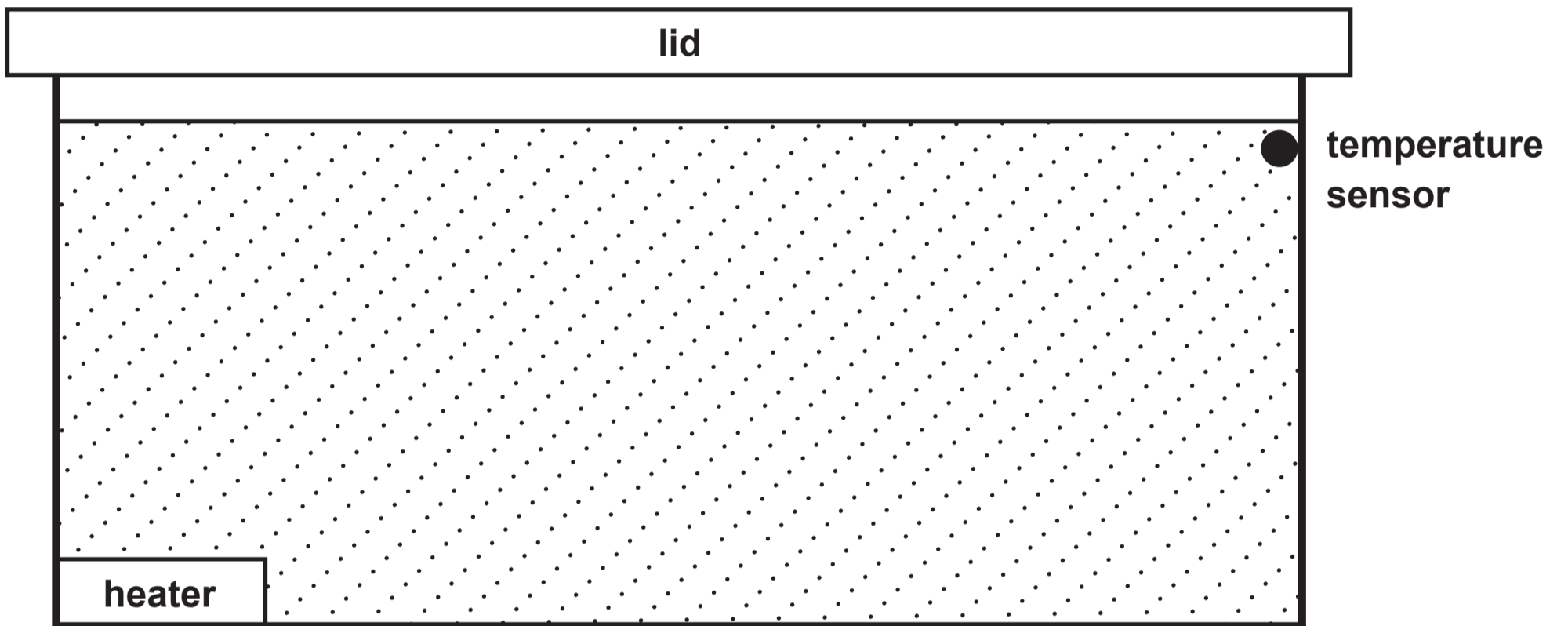
Question 5(a)



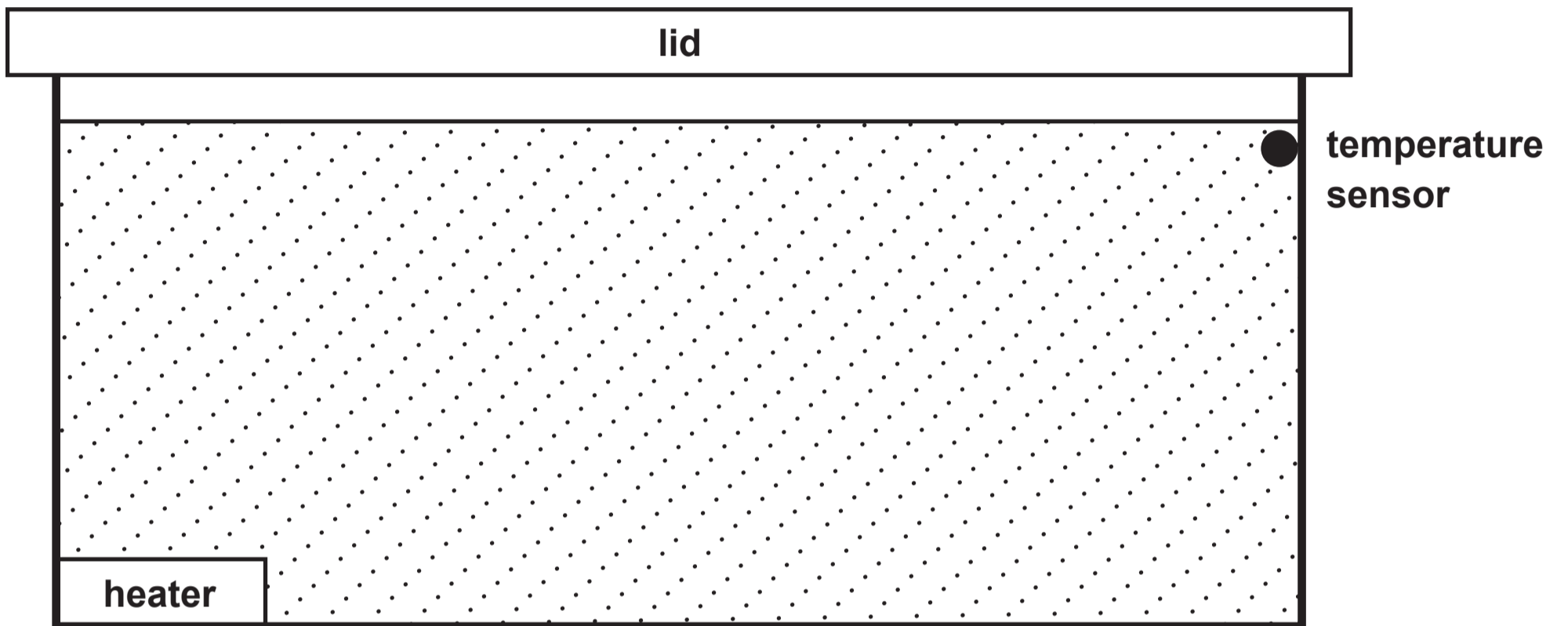
Question 5(a) (Spare copy)



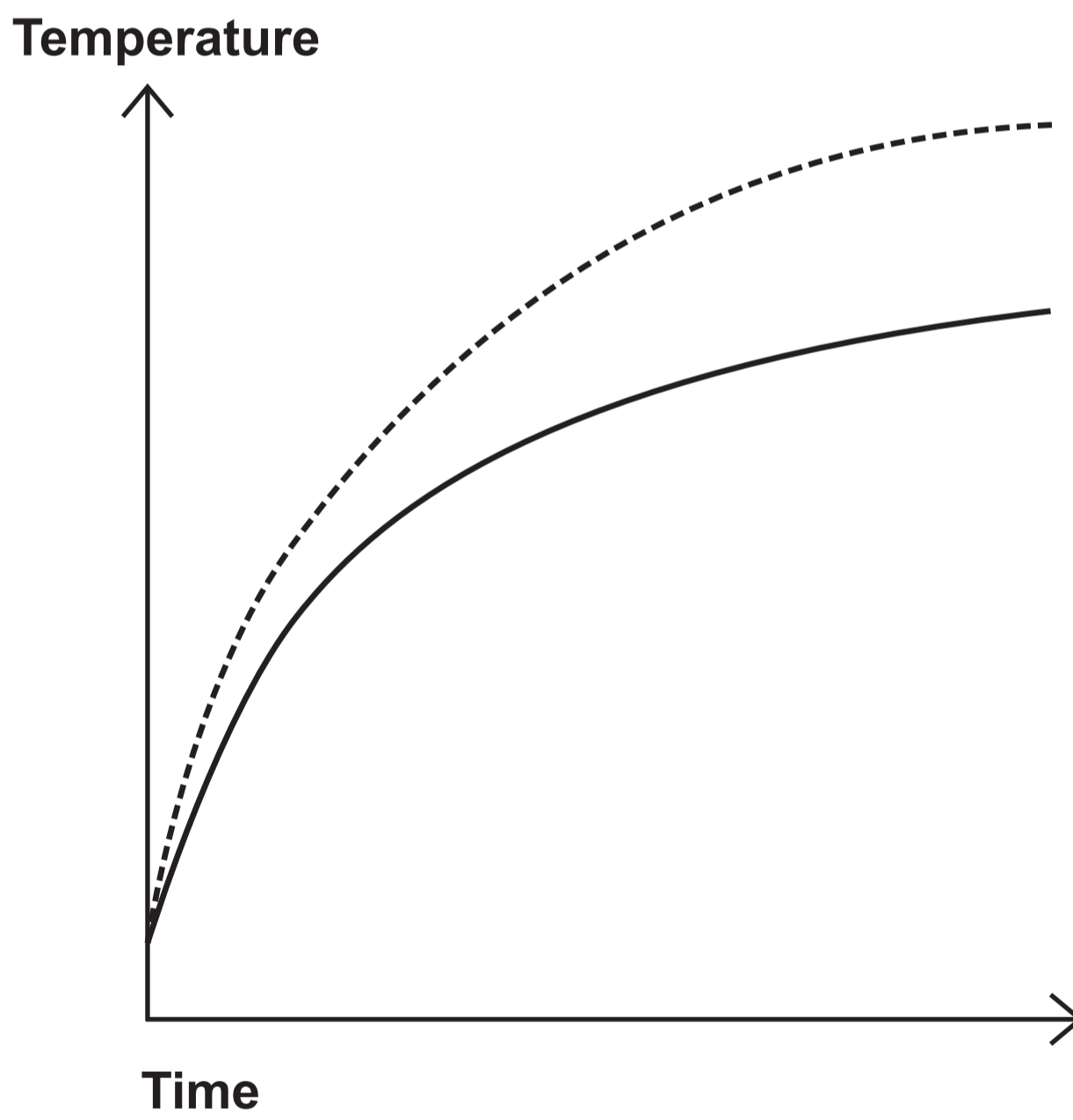
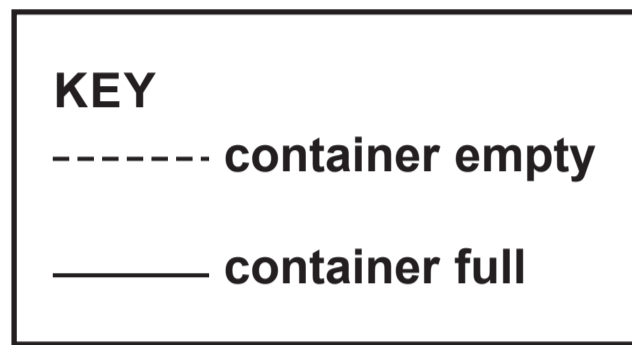
Question 6(a)



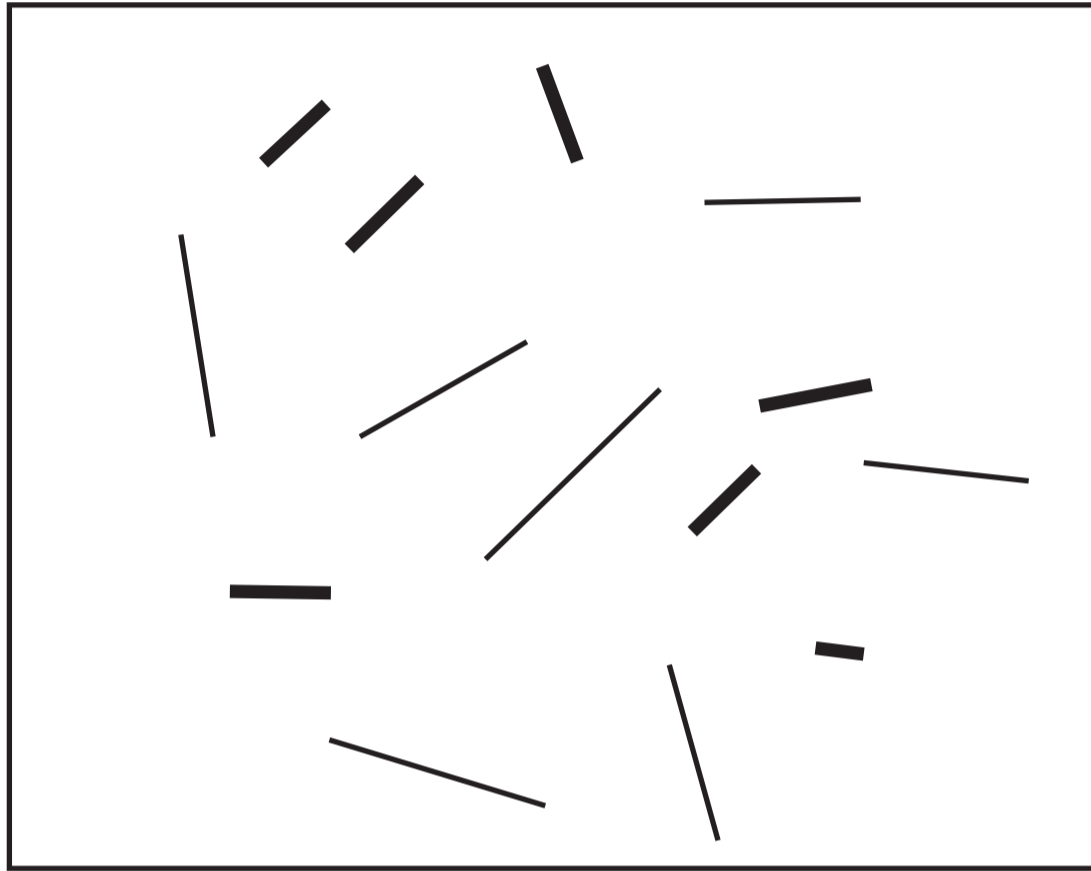
Question 6(a) (Spare copy)



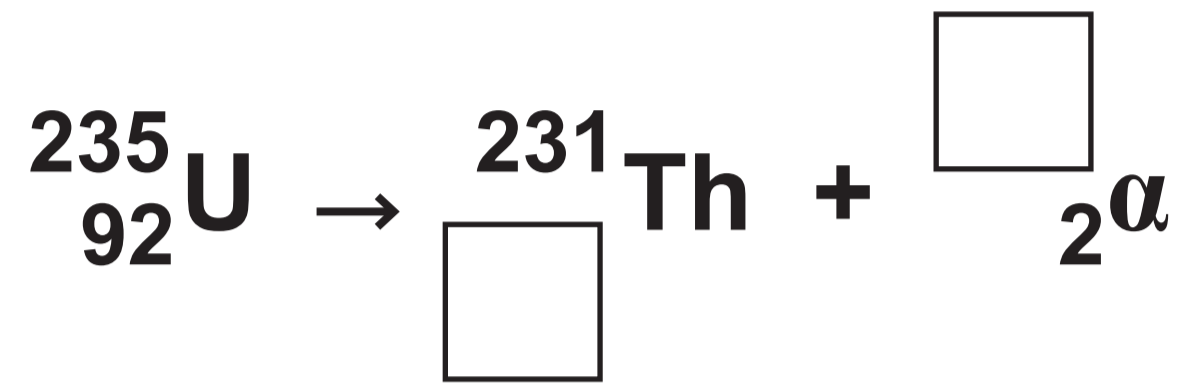
Question 6(b)



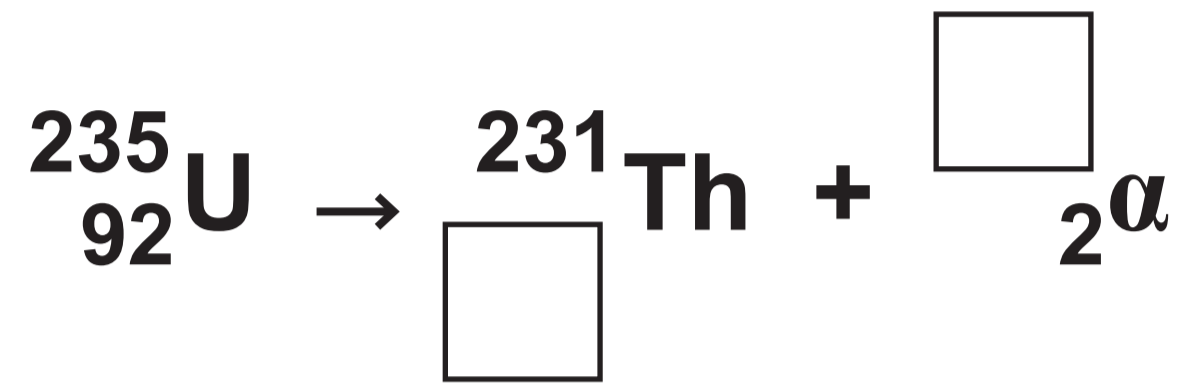
Question 7(a)



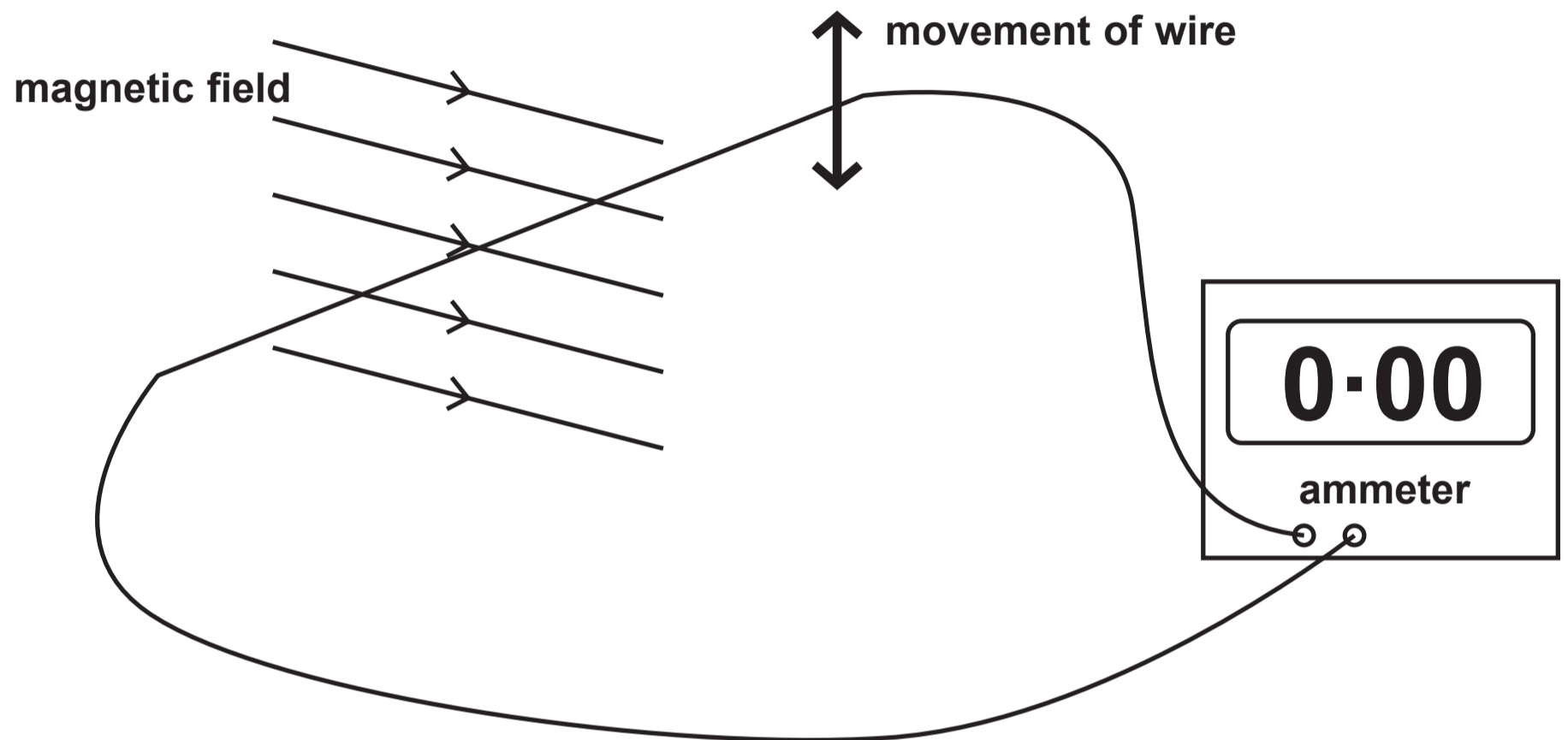
Question 7(b)(ii)



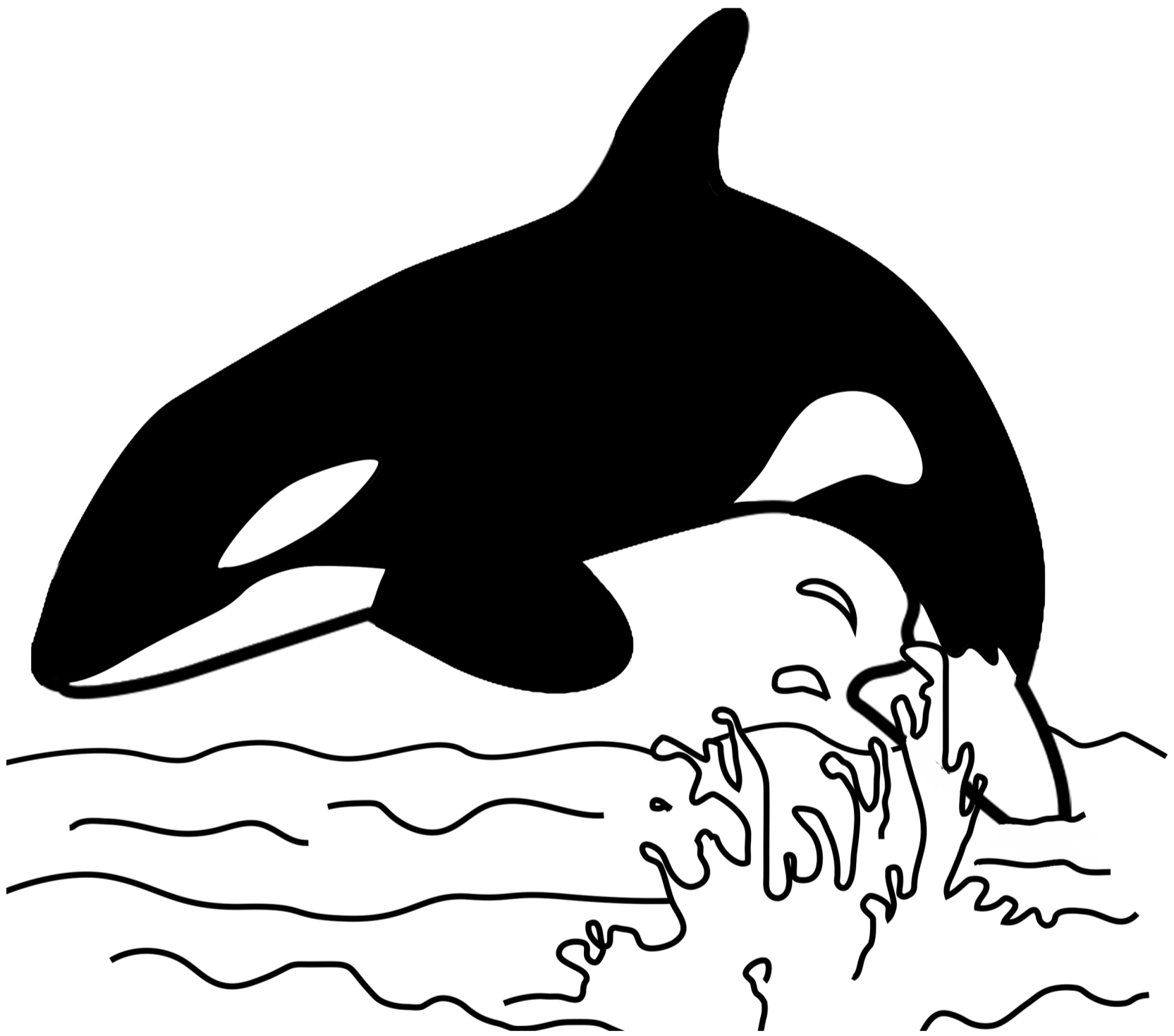
Question 7(b)(ii) (Spare copy)



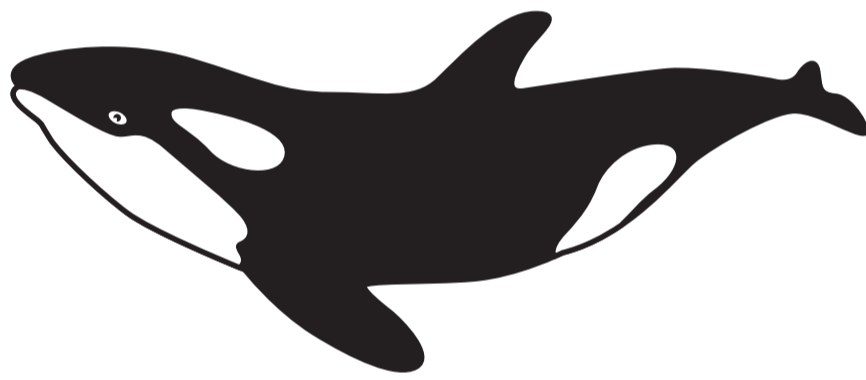
Question 8(b)



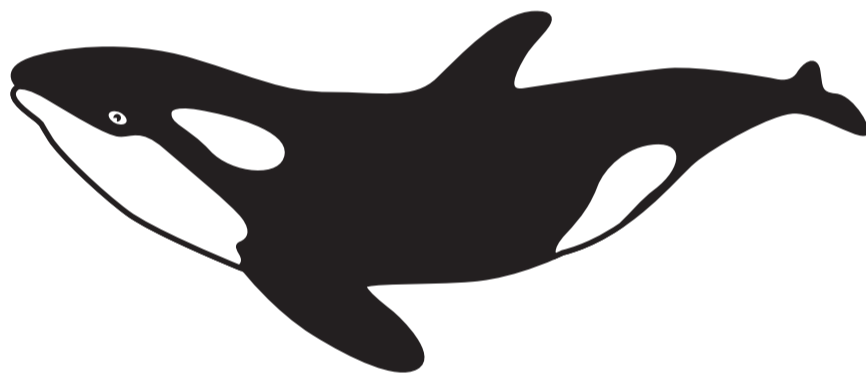
Question 9(a)



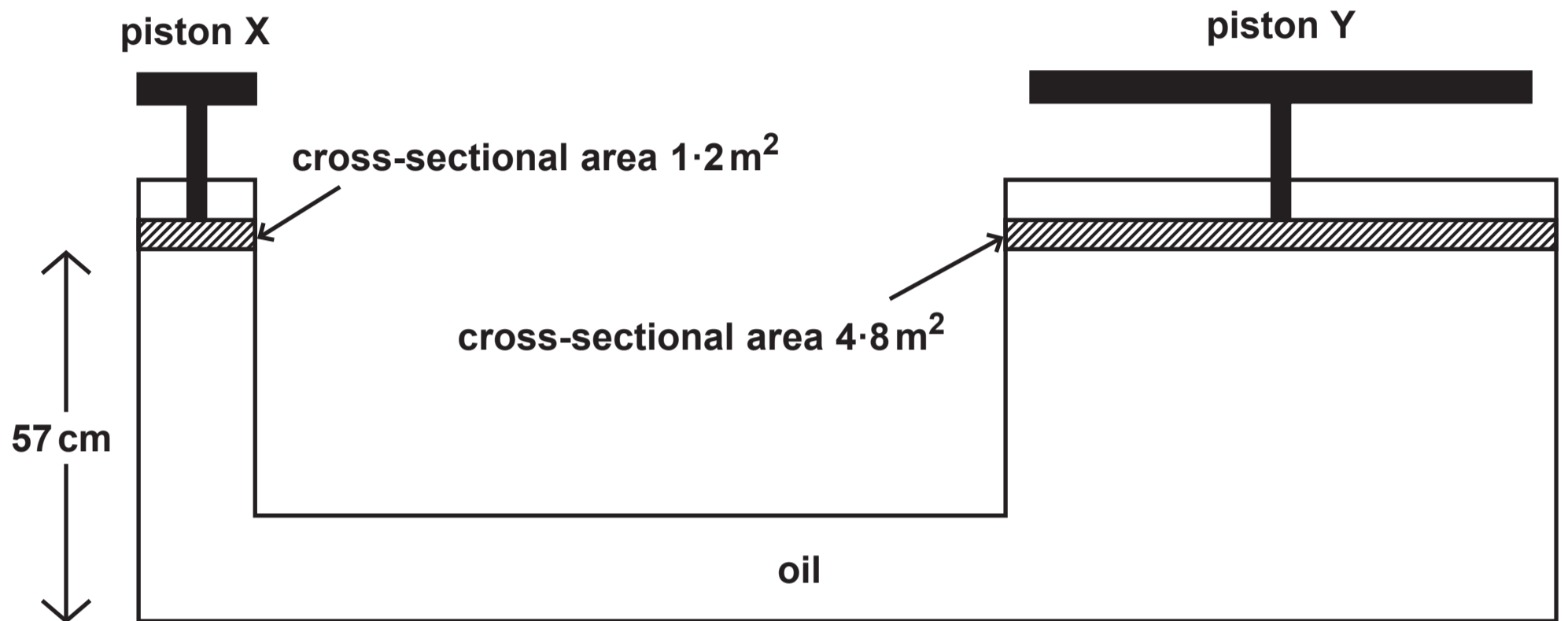
Question 9(b)



Question 9(b) (Spare copy)



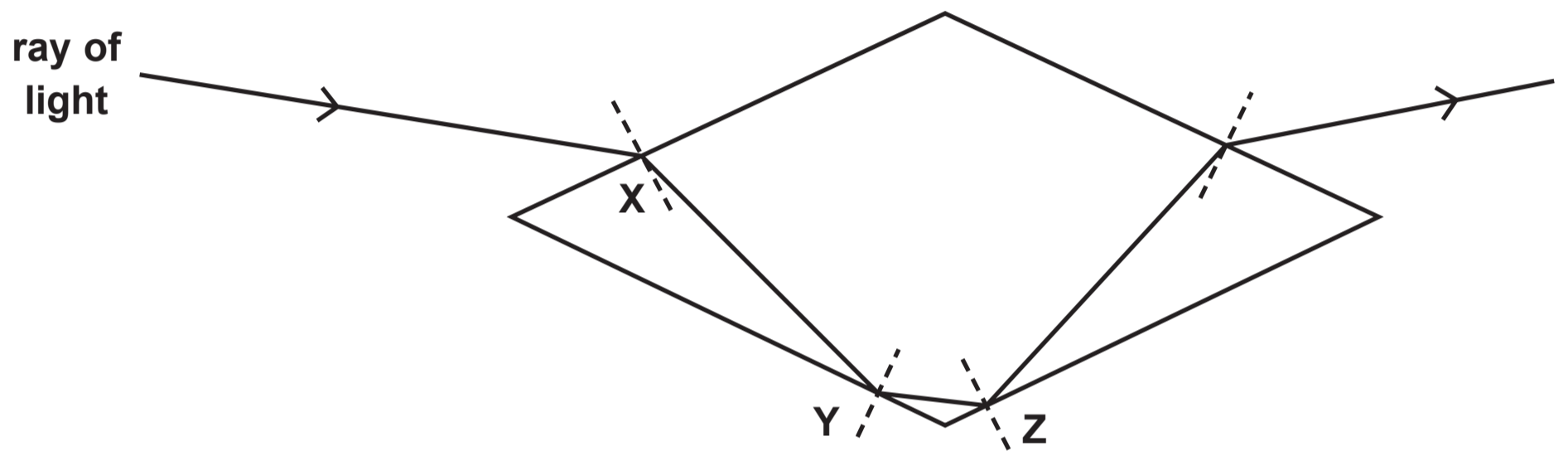
Question 10



Question 11

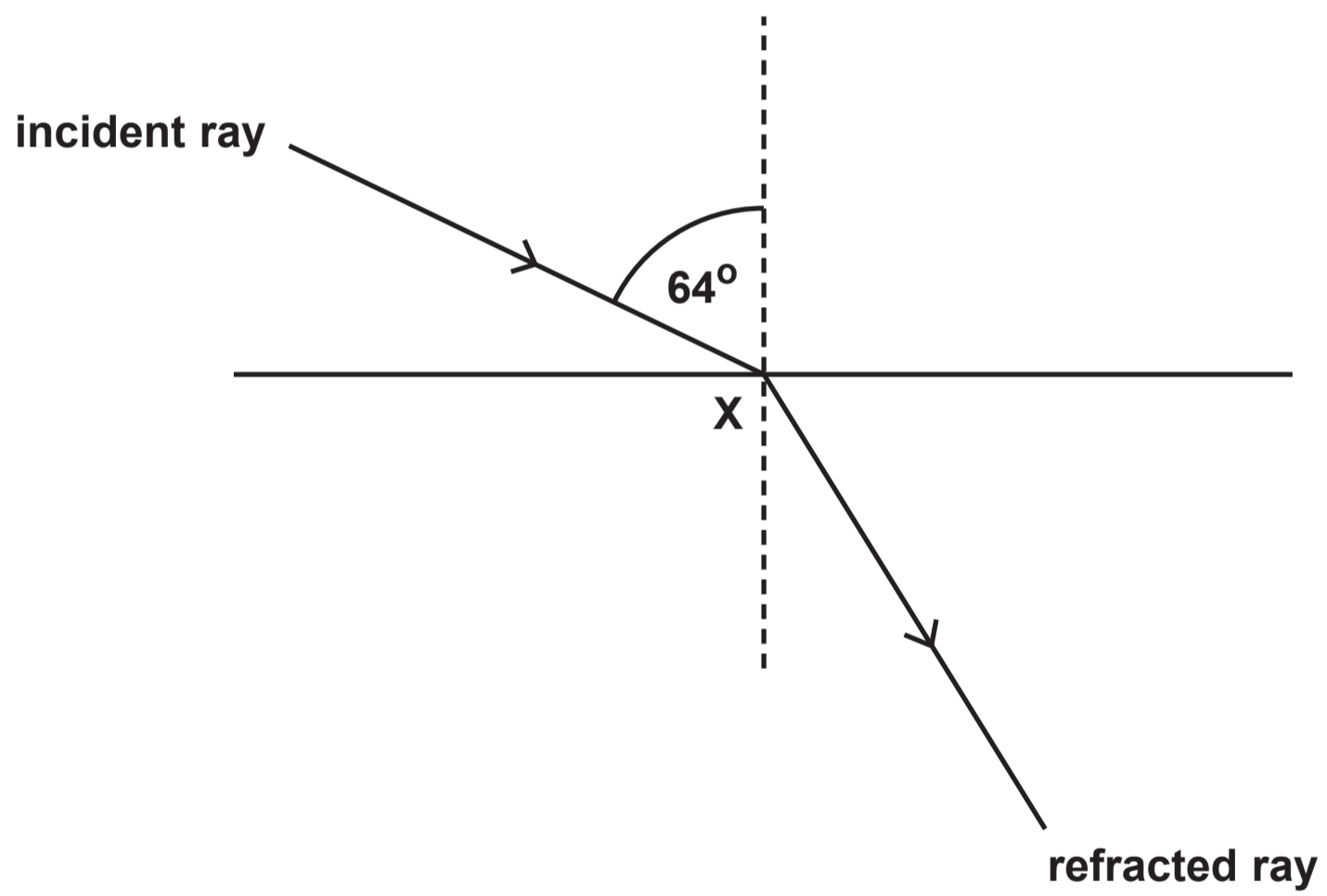
DIAGRAM 1

not to scale



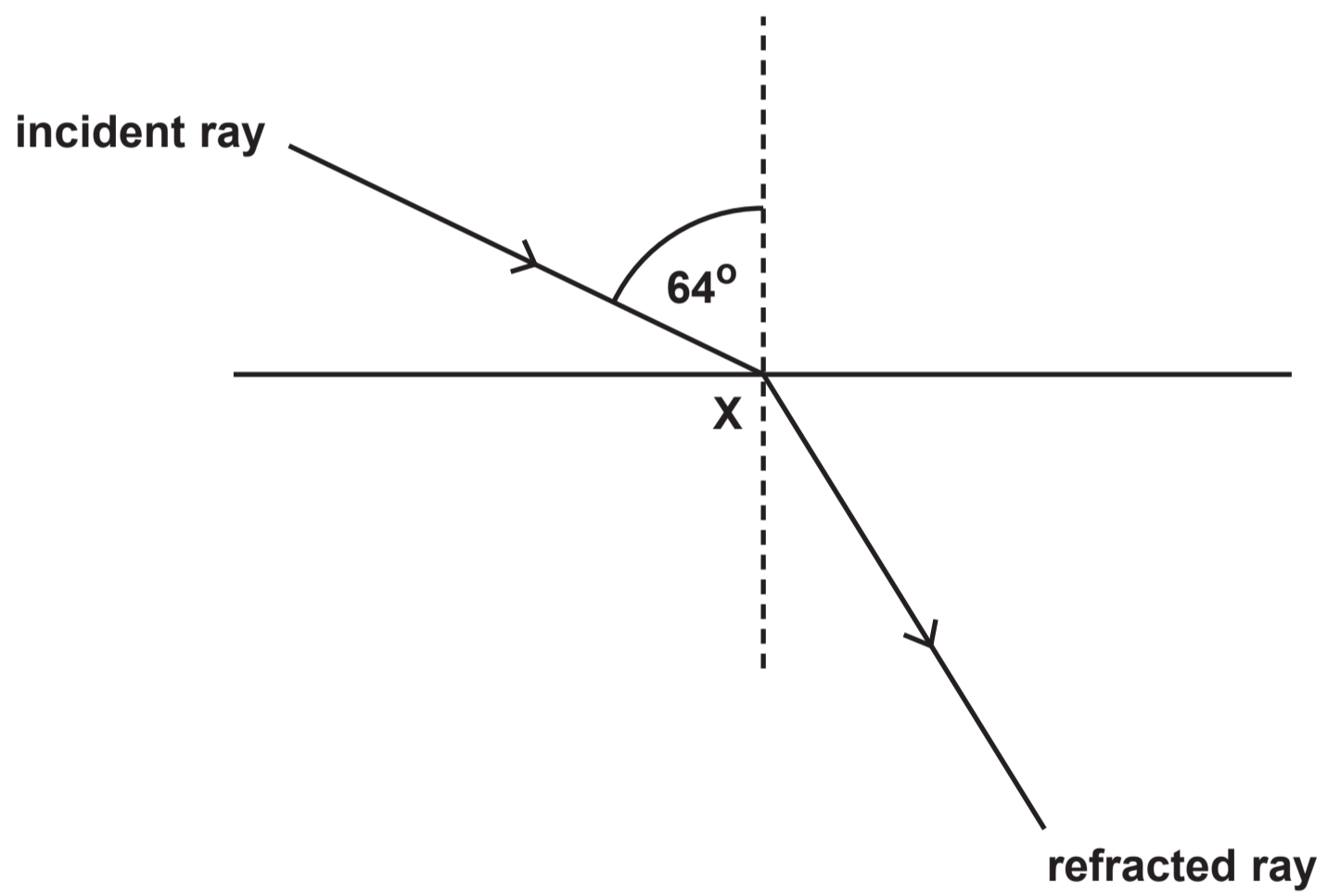
Question 11(a)(i)

DIAGRAM 2



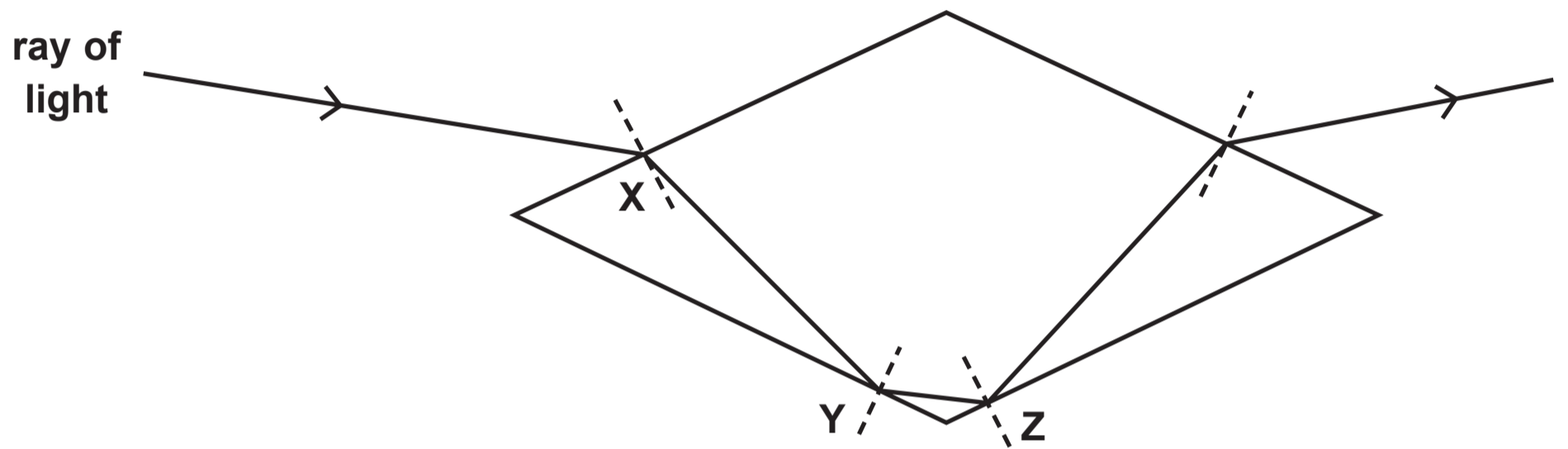
Question 11(a)(i) (Spare copy)

DIAGRAM 2



Question 11(b)

not to scale



Question 9(a)
(Source: © Alexander Baumann/Shutterstock)

Question 9(b)
(Source: © Eugenia Petrovskaya/Shutterstock)