

Paper Reference(s) 9PH0/01
Pearson Edexcel Level 3 GCE

Physics
Advanced
PAPER 1: Advanced Physics I

Friday 24 May 2024 – Morning

Time: 1 hour 45 minutes

Diagram Booklet

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

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.

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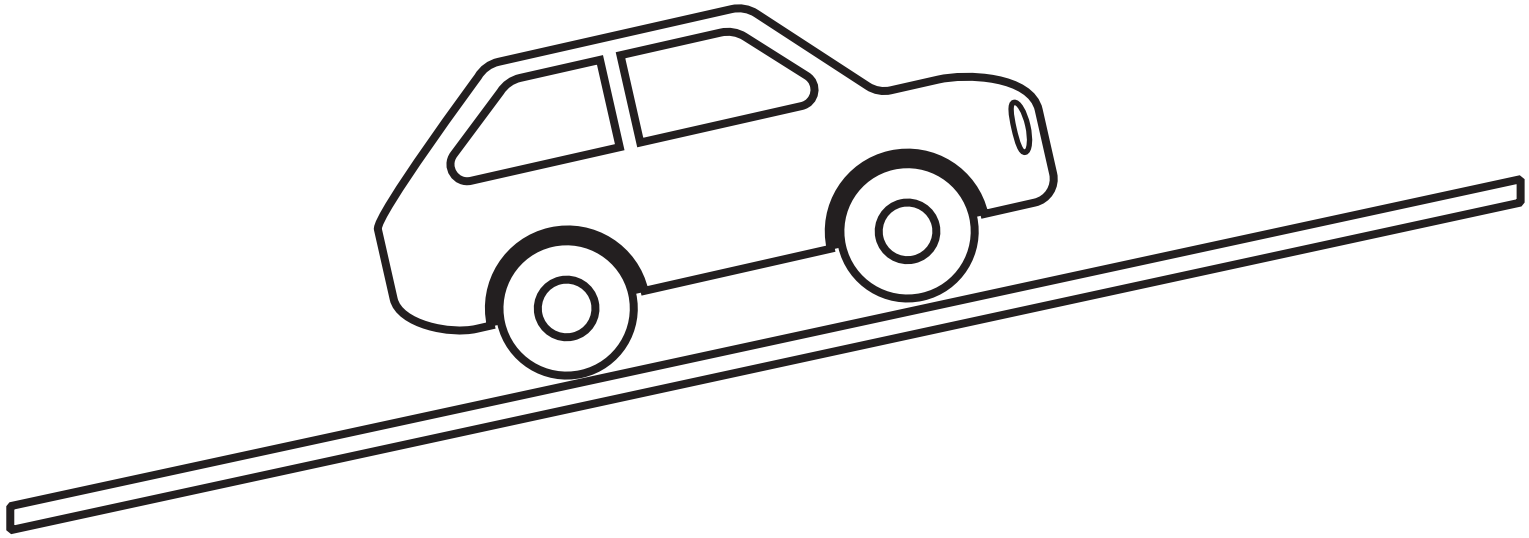
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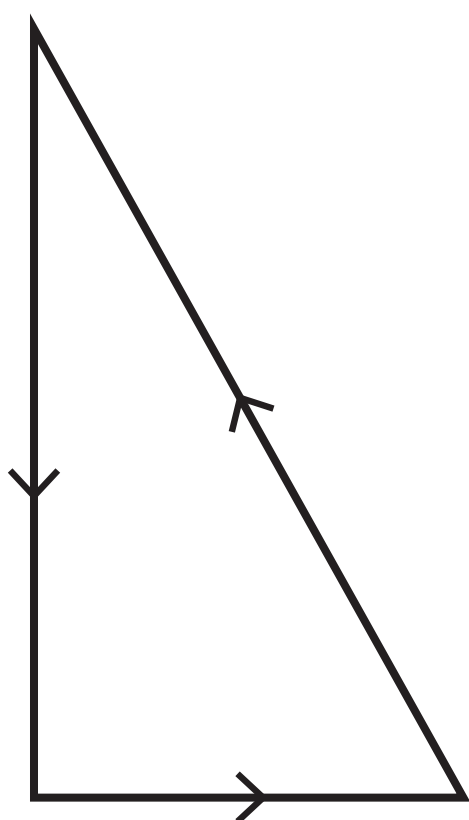
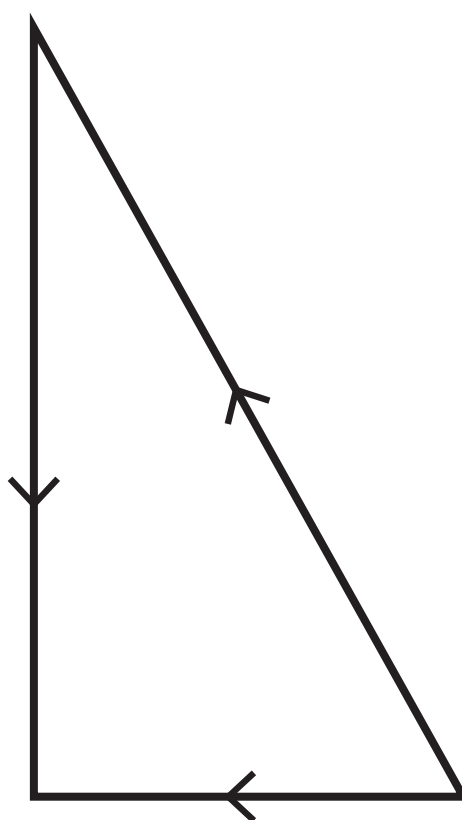
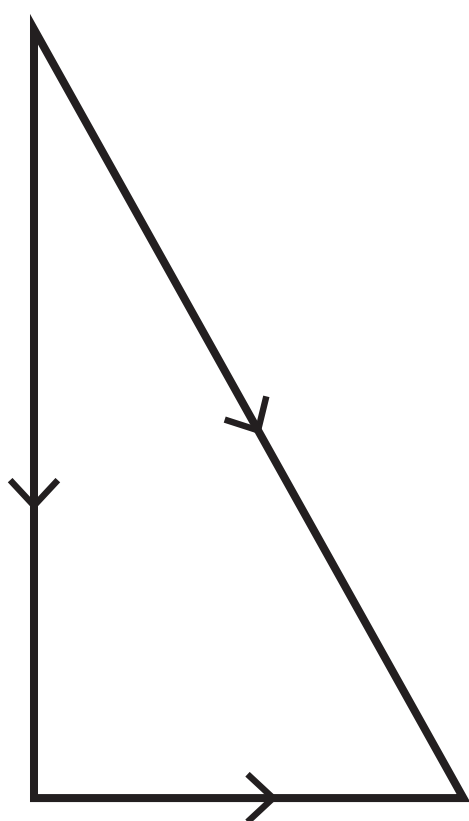
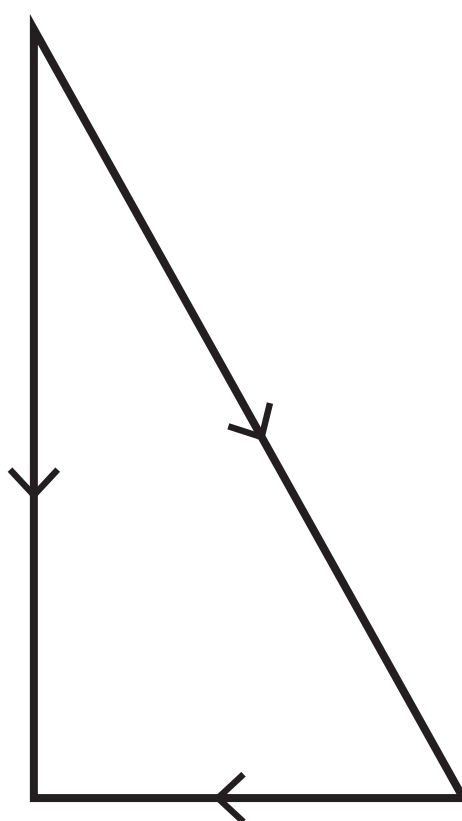
Spare Copies

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Question 3

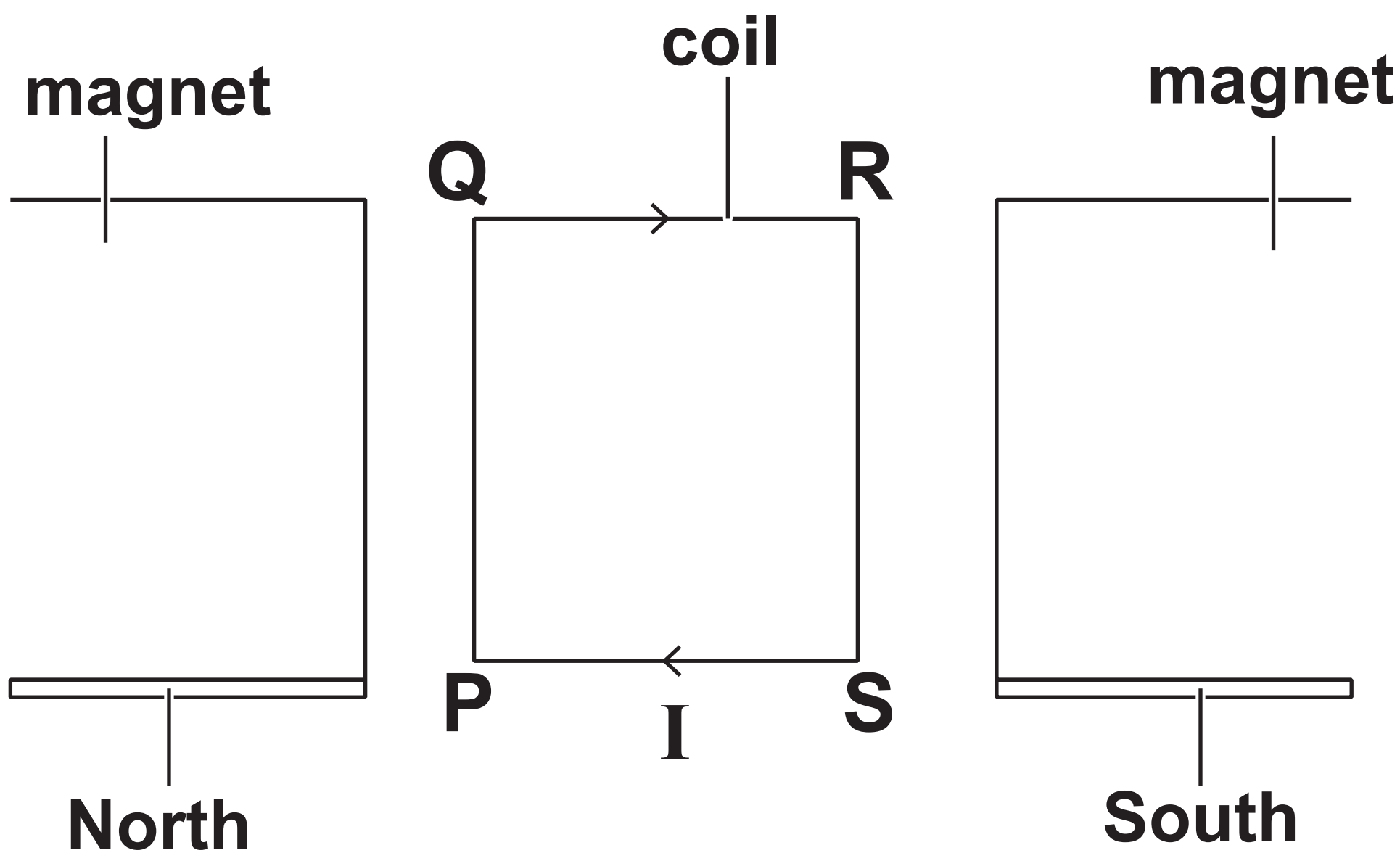


Question 4

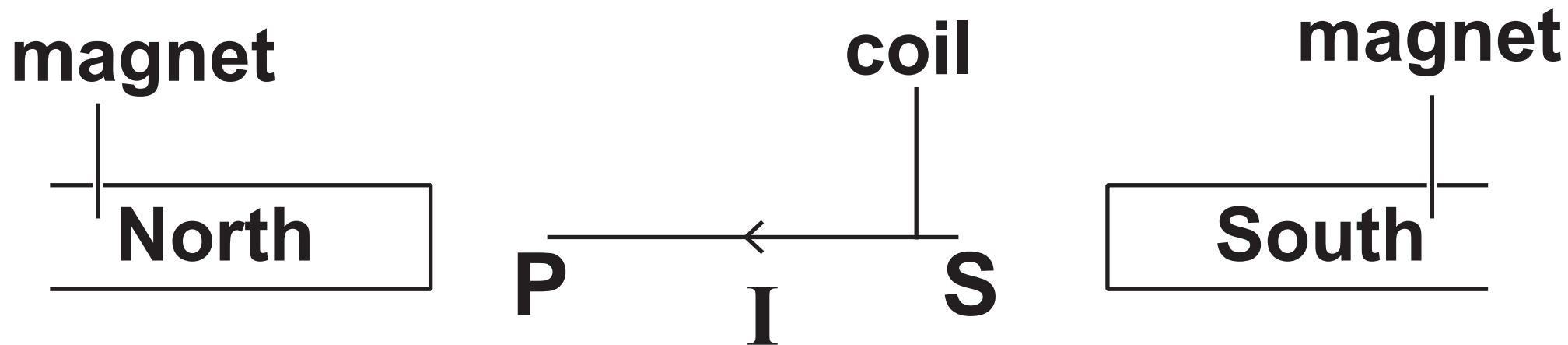
A**B****C****D**

Question 6

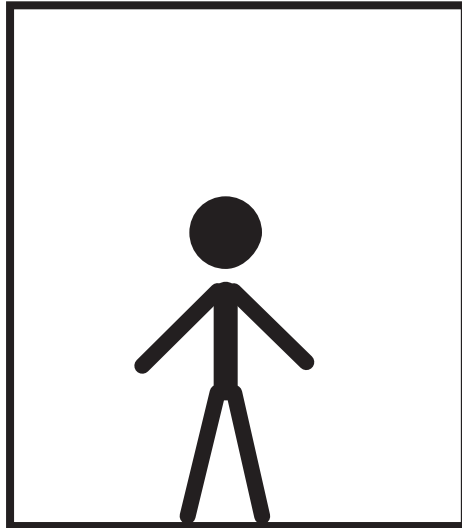
TOP VIEW



SIDE VIEW



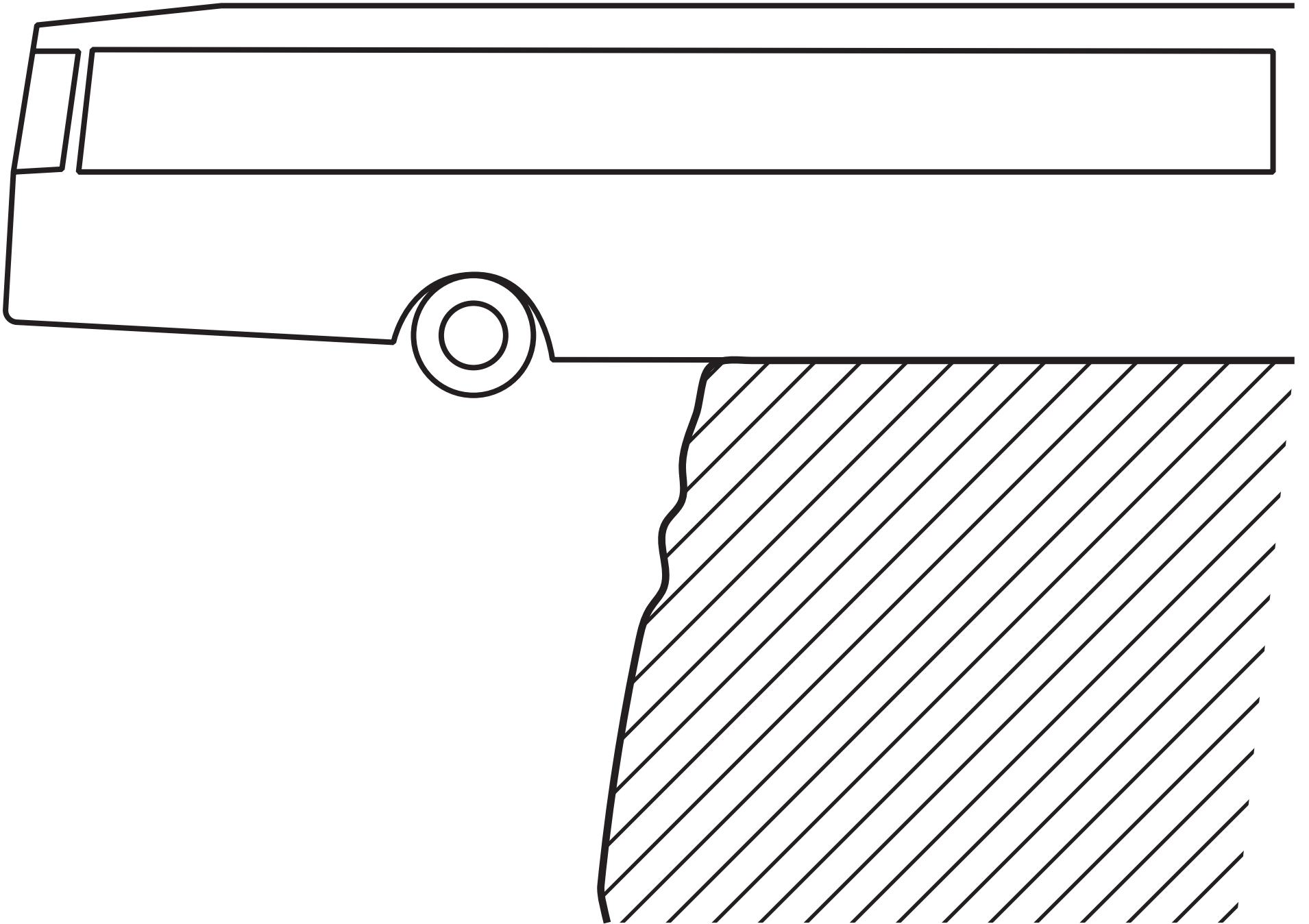
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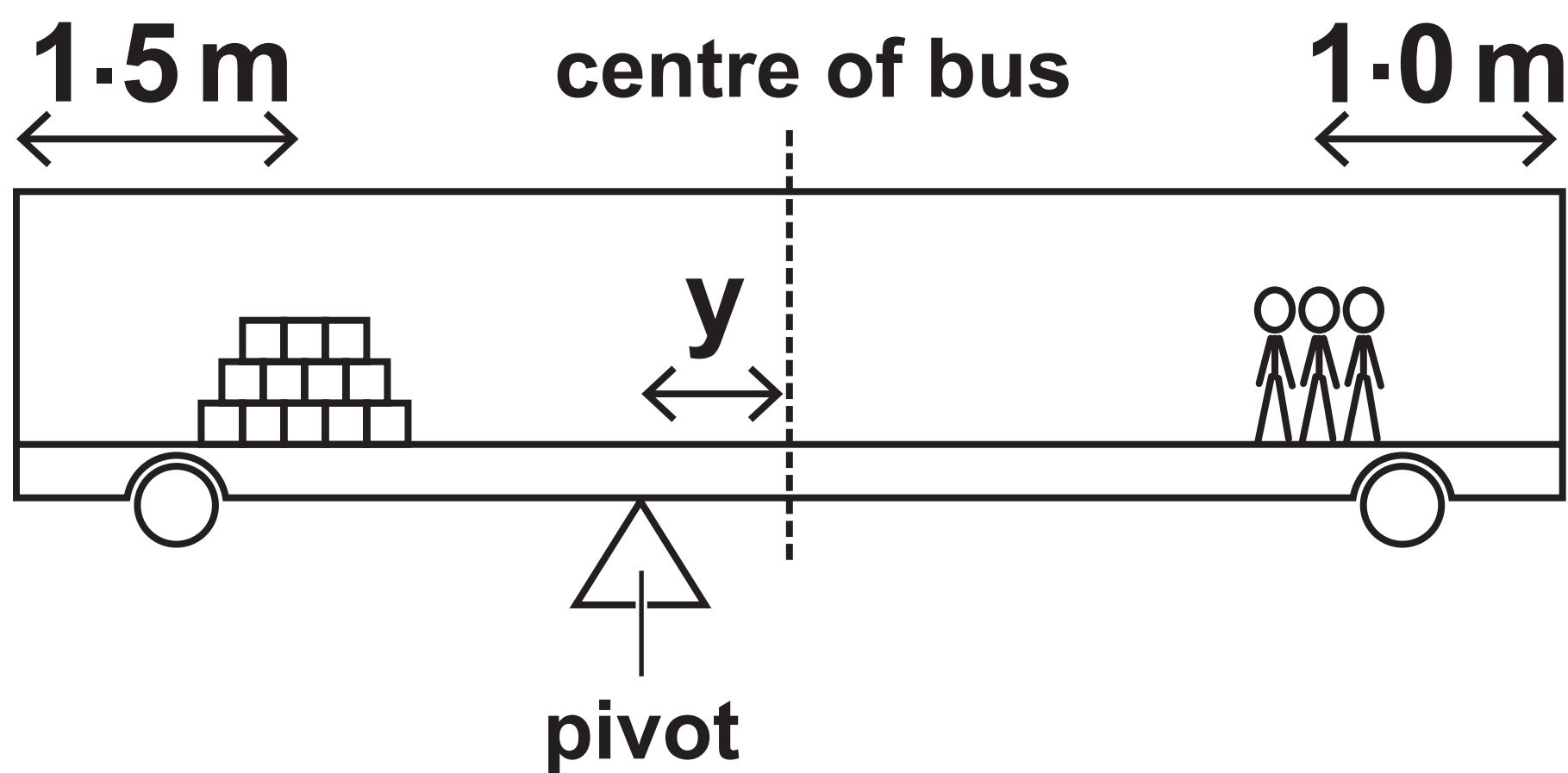
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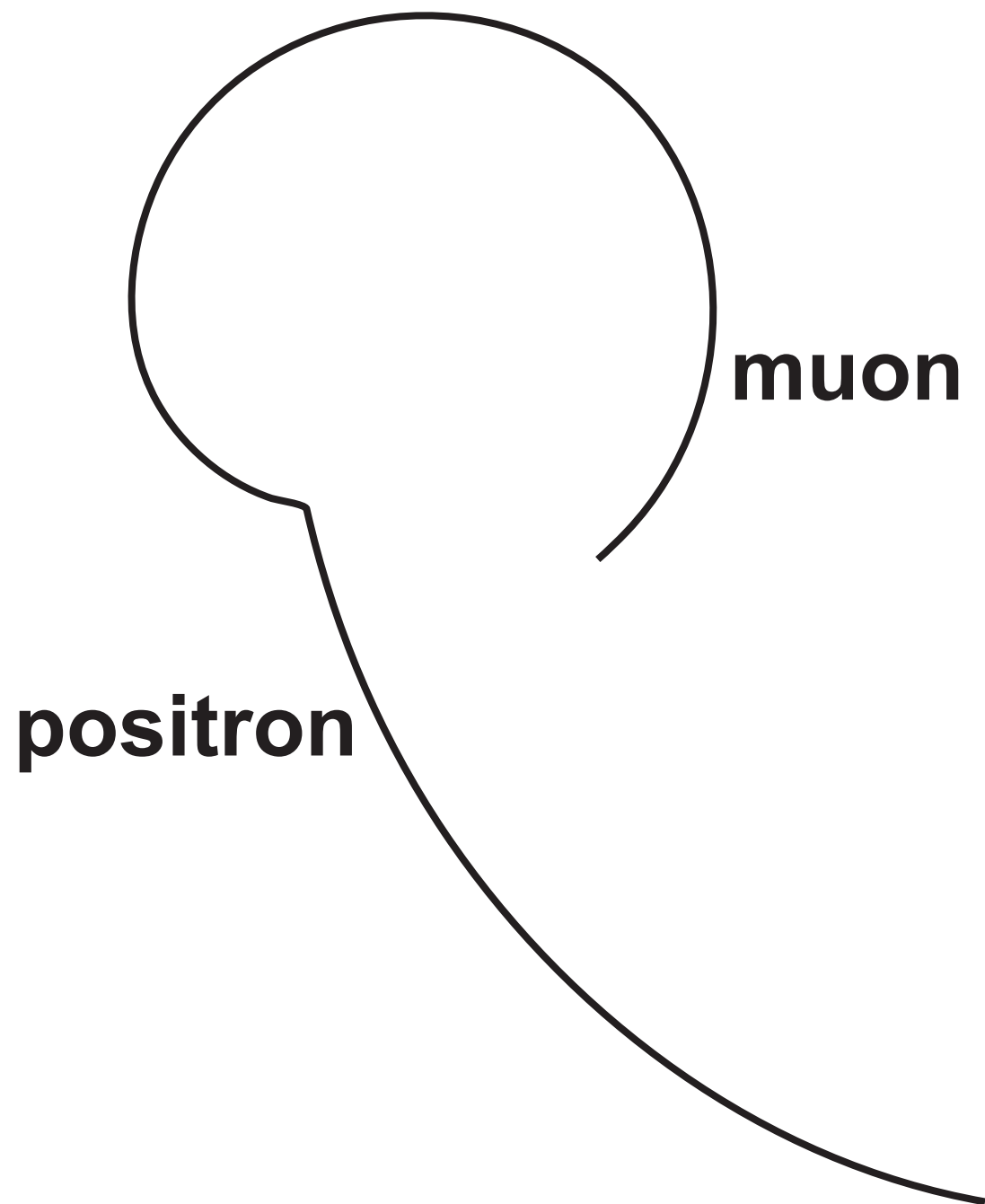
Question 11



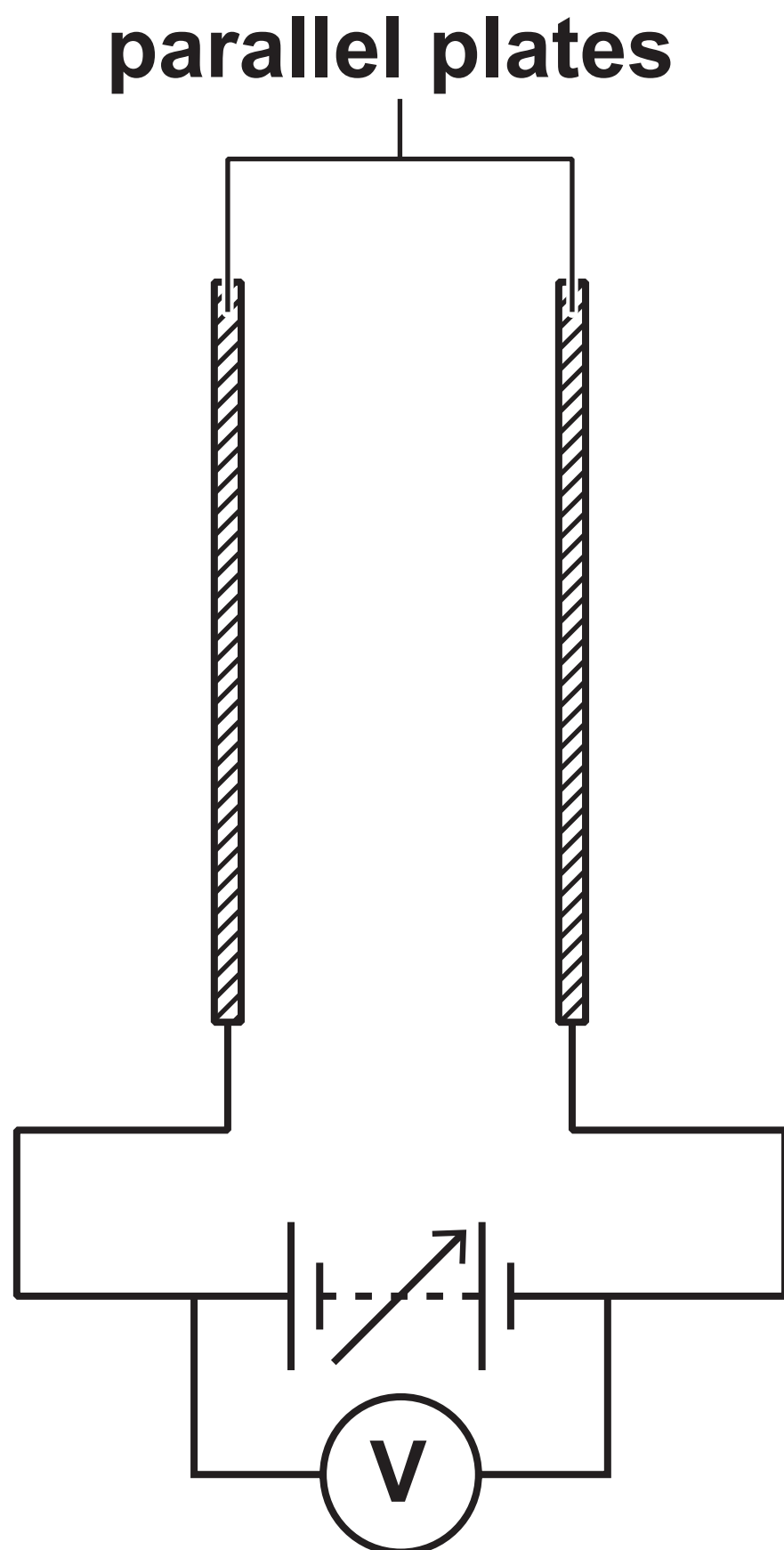
Question 11(b)



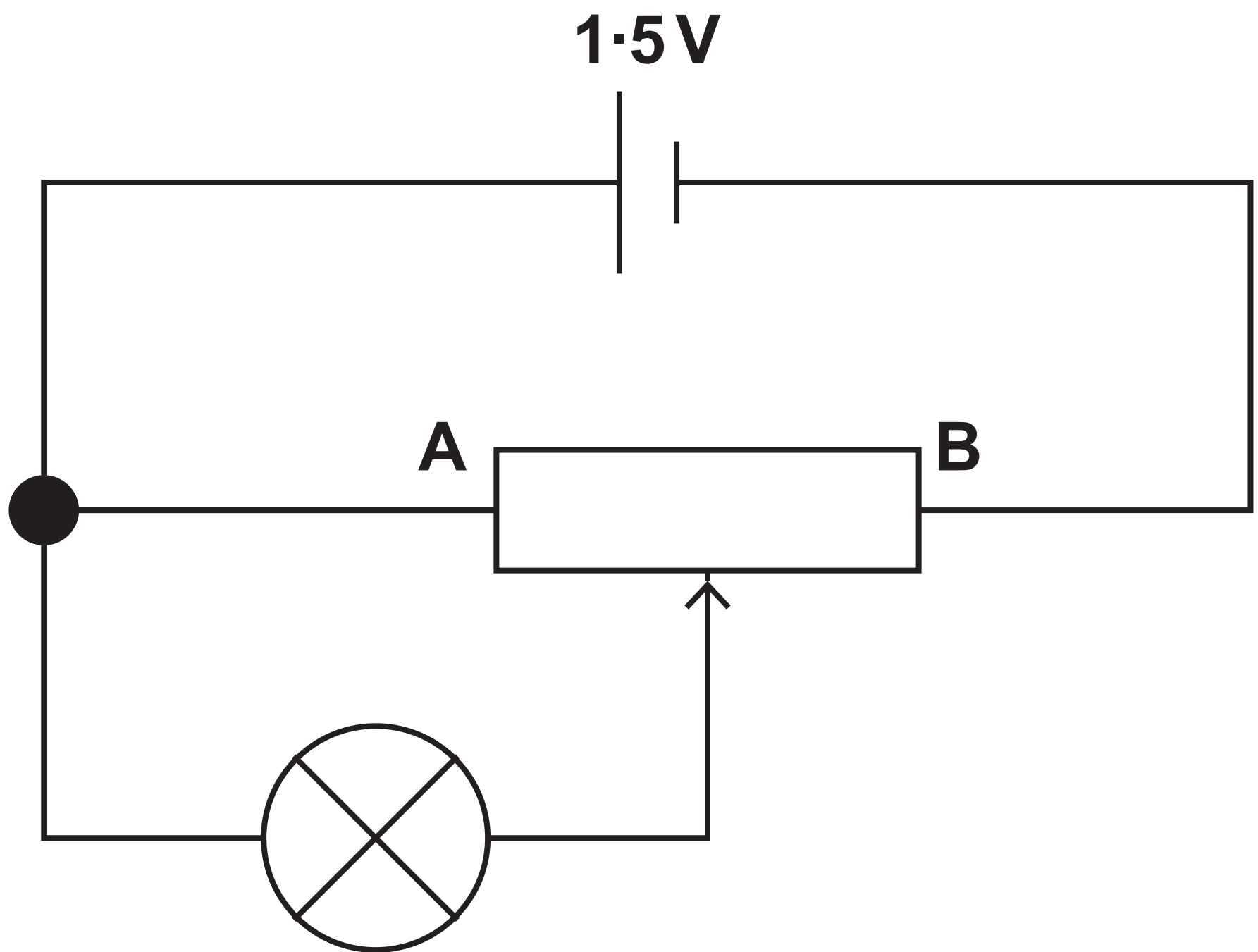
Question 14



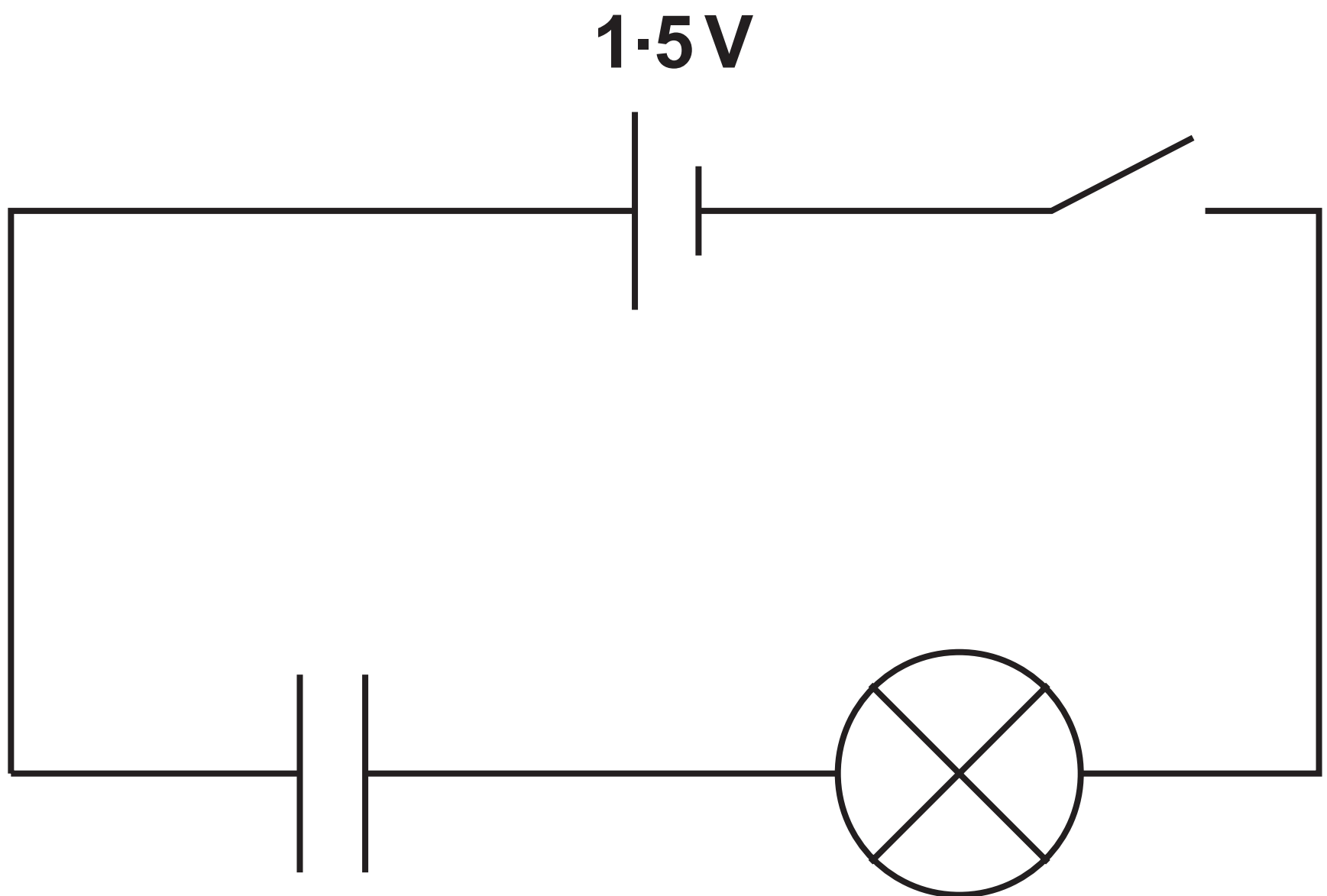
Question 15



Question 16(b)



Question 16(c)

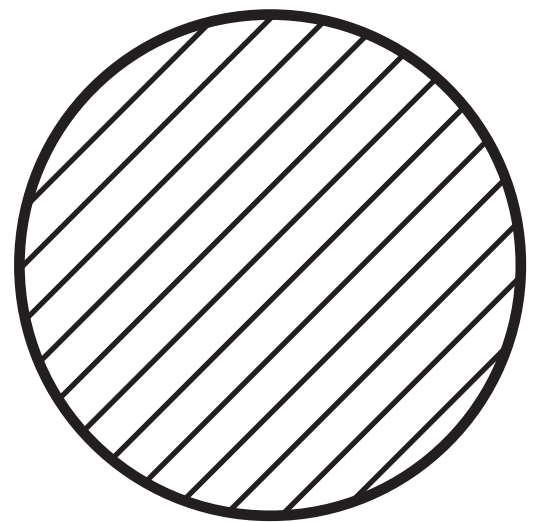


Question 17(c)

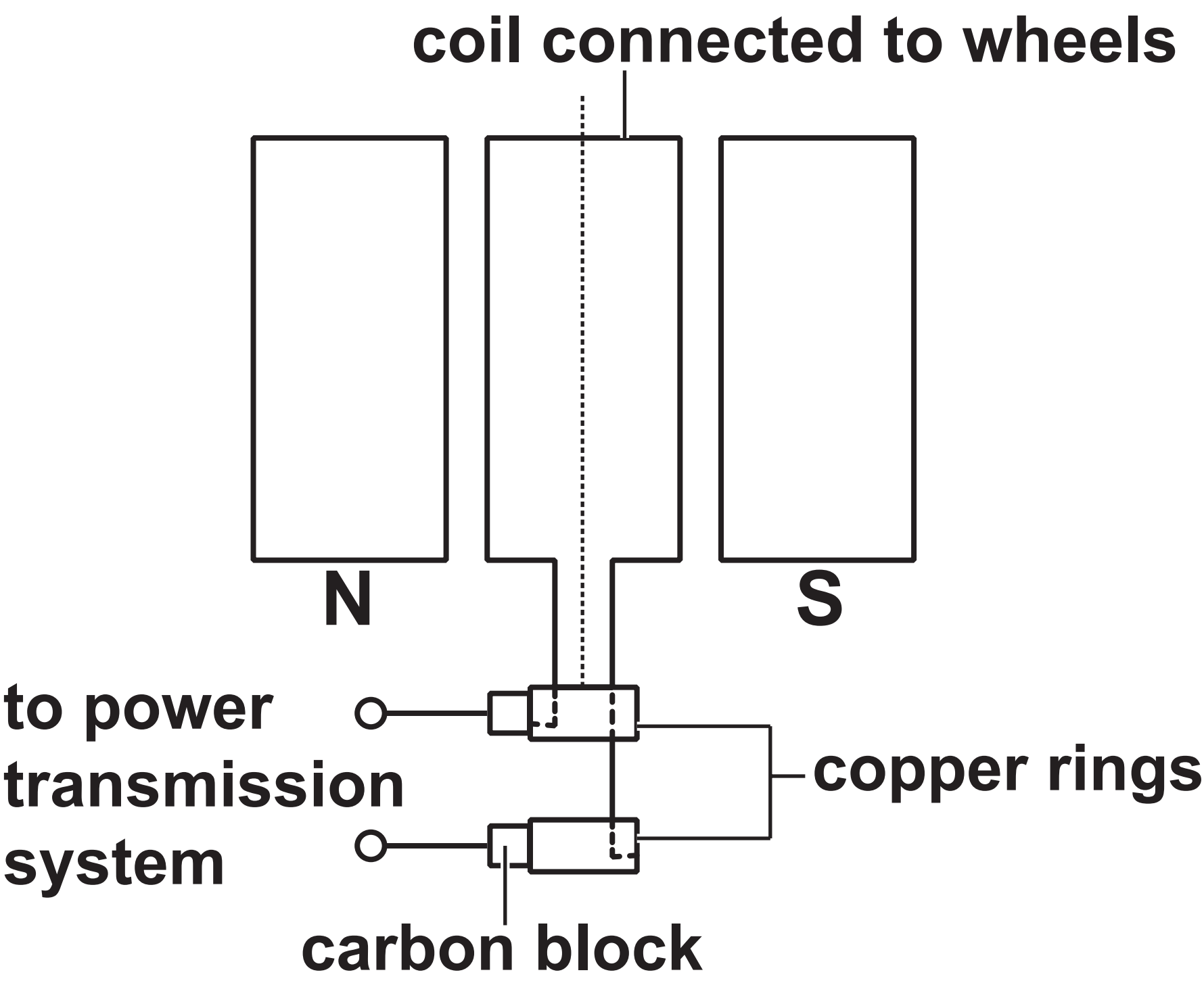
alpha particle



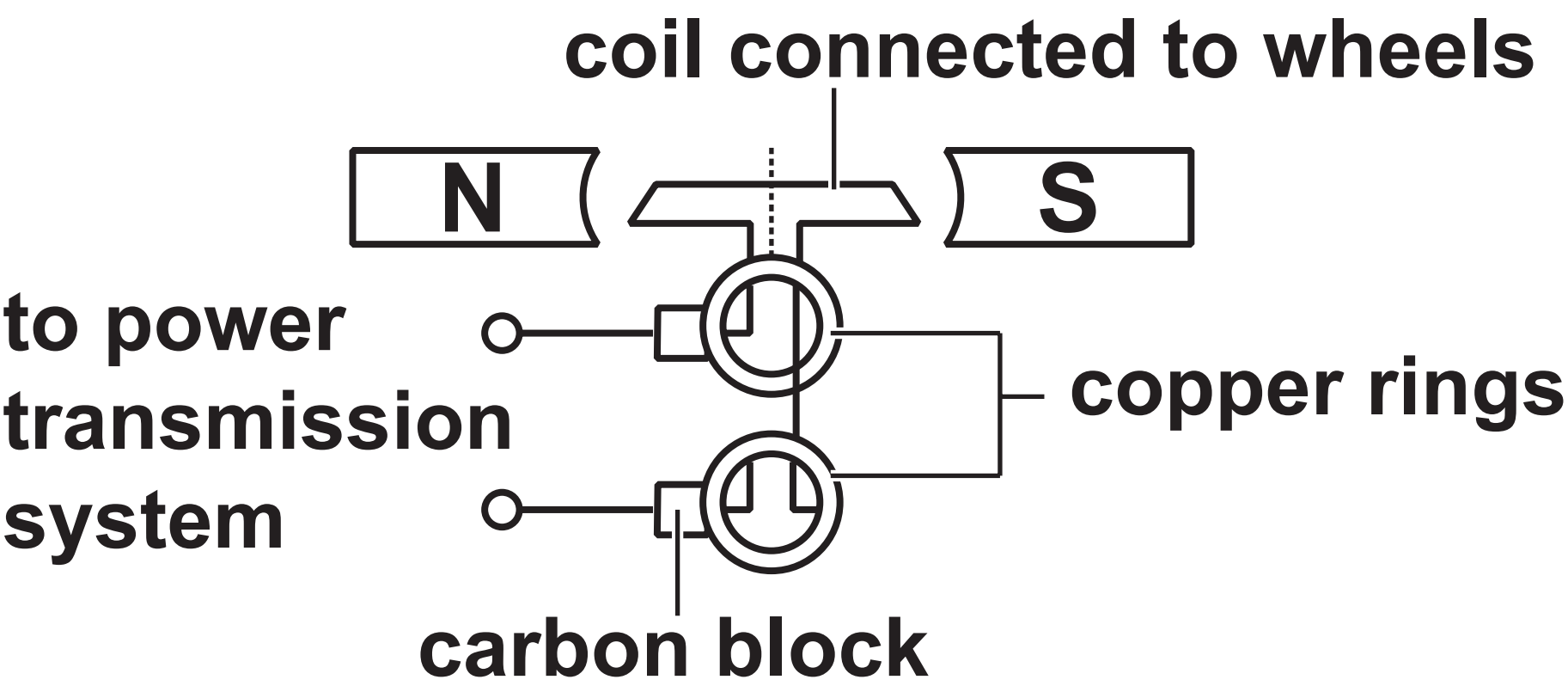
gold nucleus



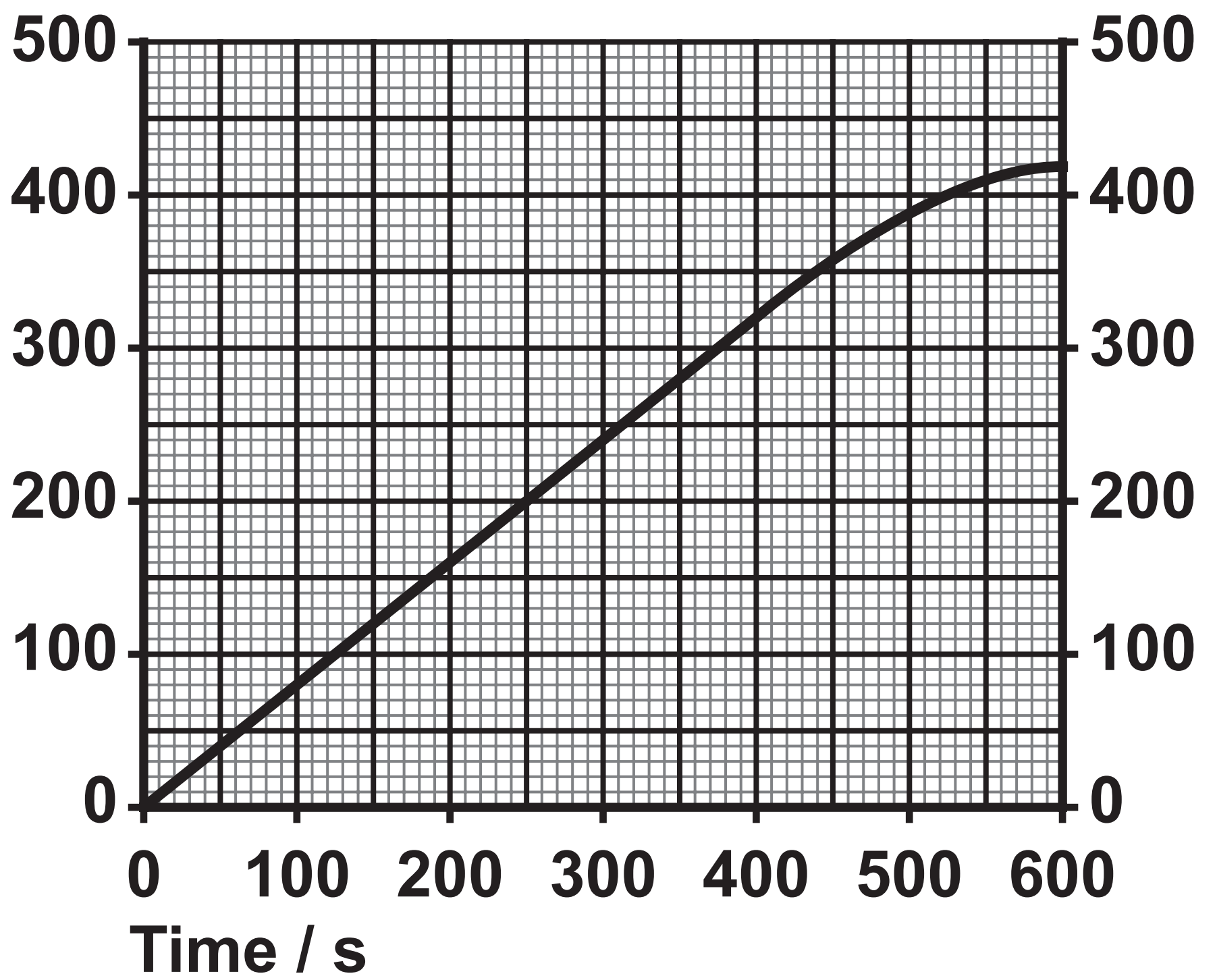
TOP VIEW



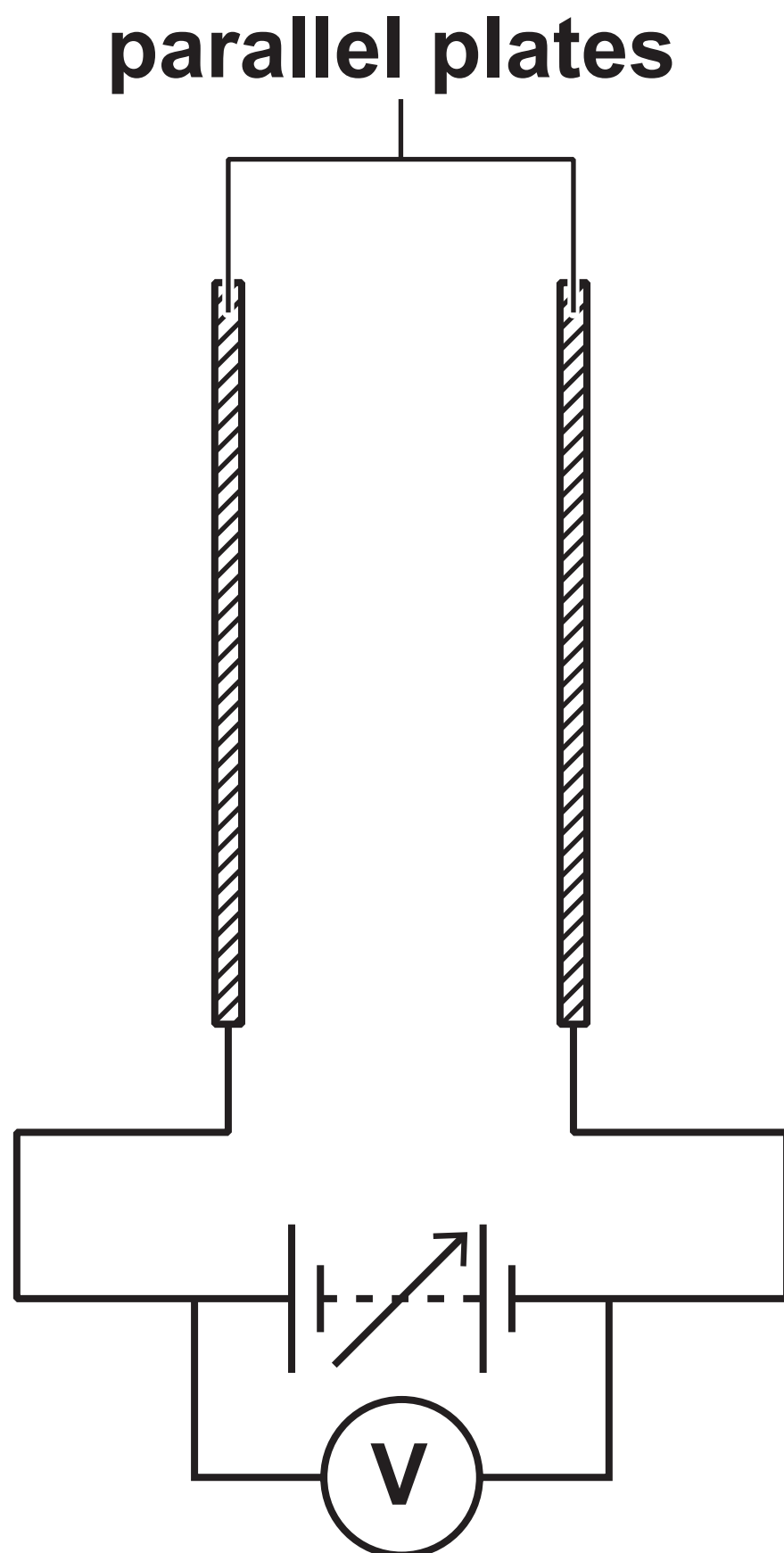
FRONT VIEW



Question 18(b)

Speed / km hour^{-1} 

Question 15



Source information

Question 11

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