

Paper Reference(s) 1PH0/2H
Pearson Edexcel Level 1/Level 2 GCSE (9–1)

Physics
PAPER 2
Higher Tier

Friday 14 June 2024 – Afternoon
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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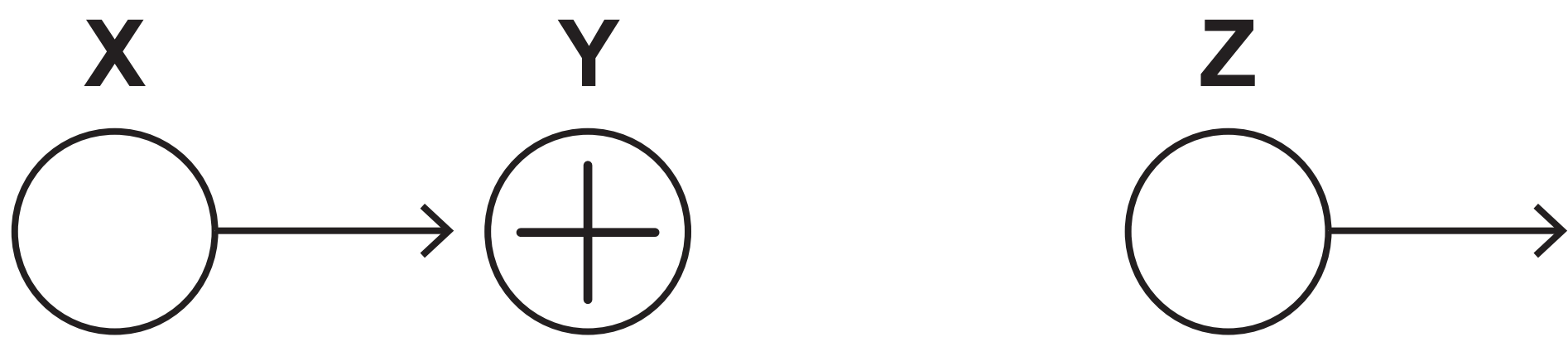
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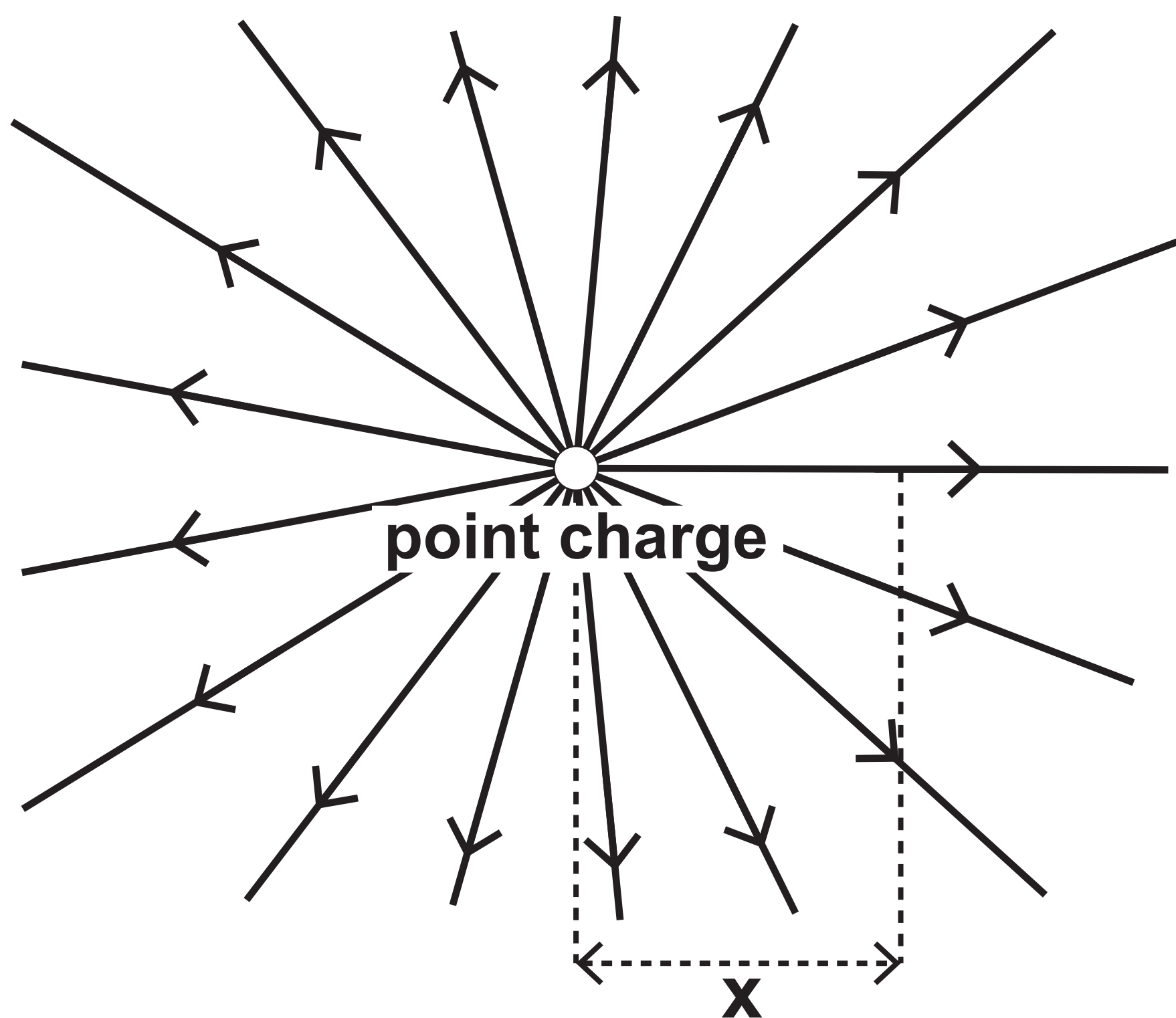
Question 1(a)

FIGURE 1



Question 1(c)

FIGURE 2



Question 1(c)(iii)

FIGURE 3

electric field
strength in N / C

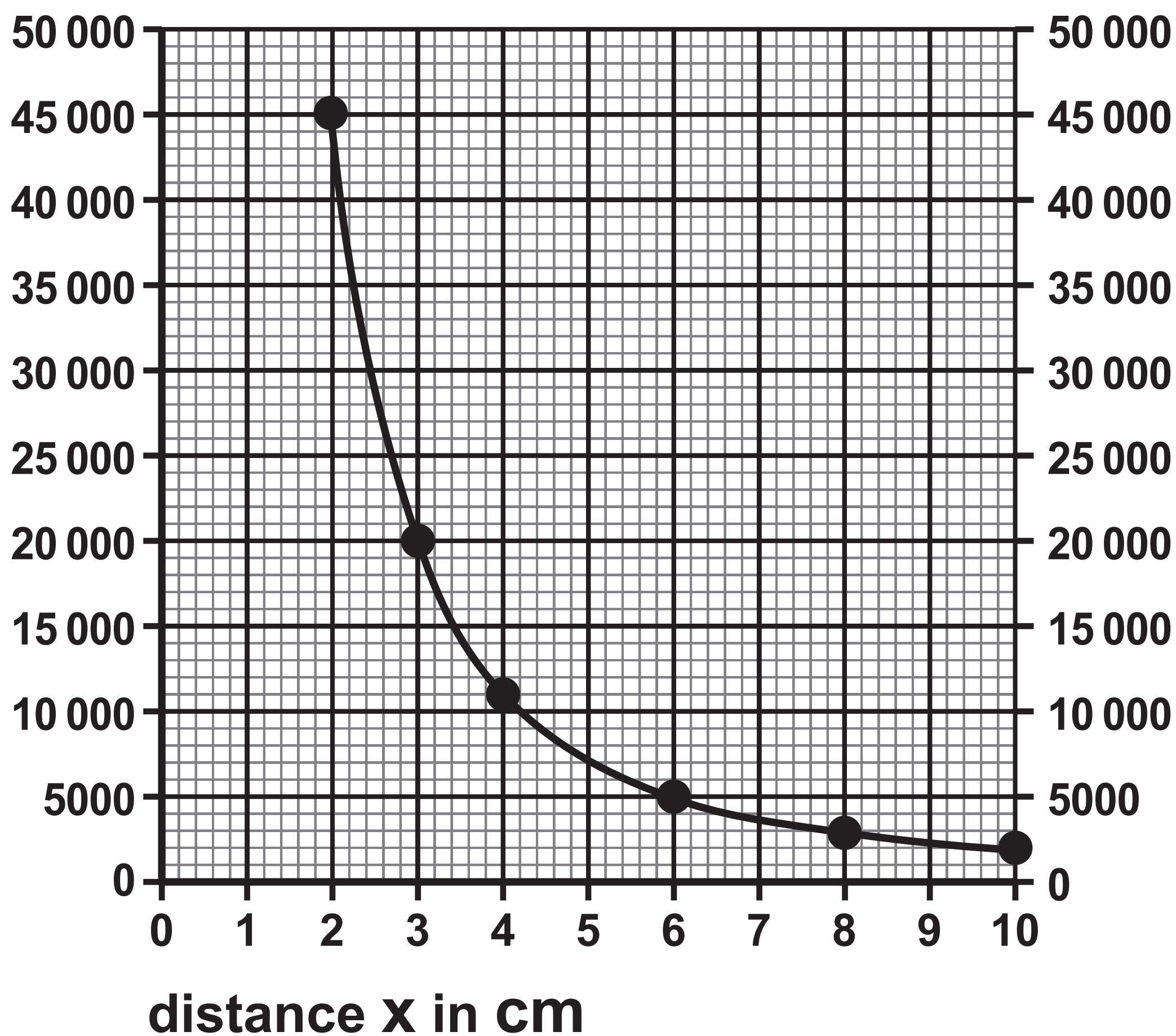
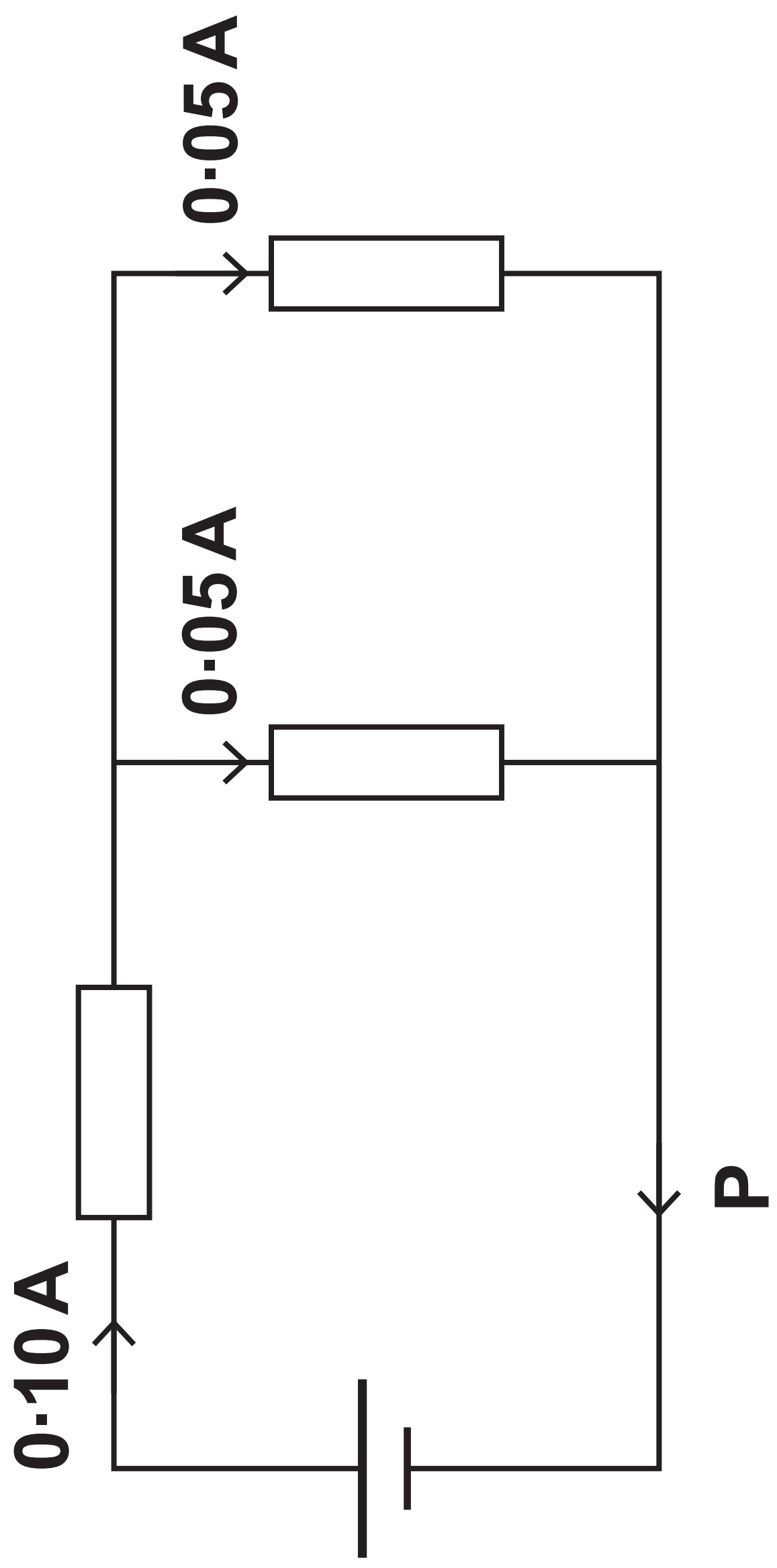
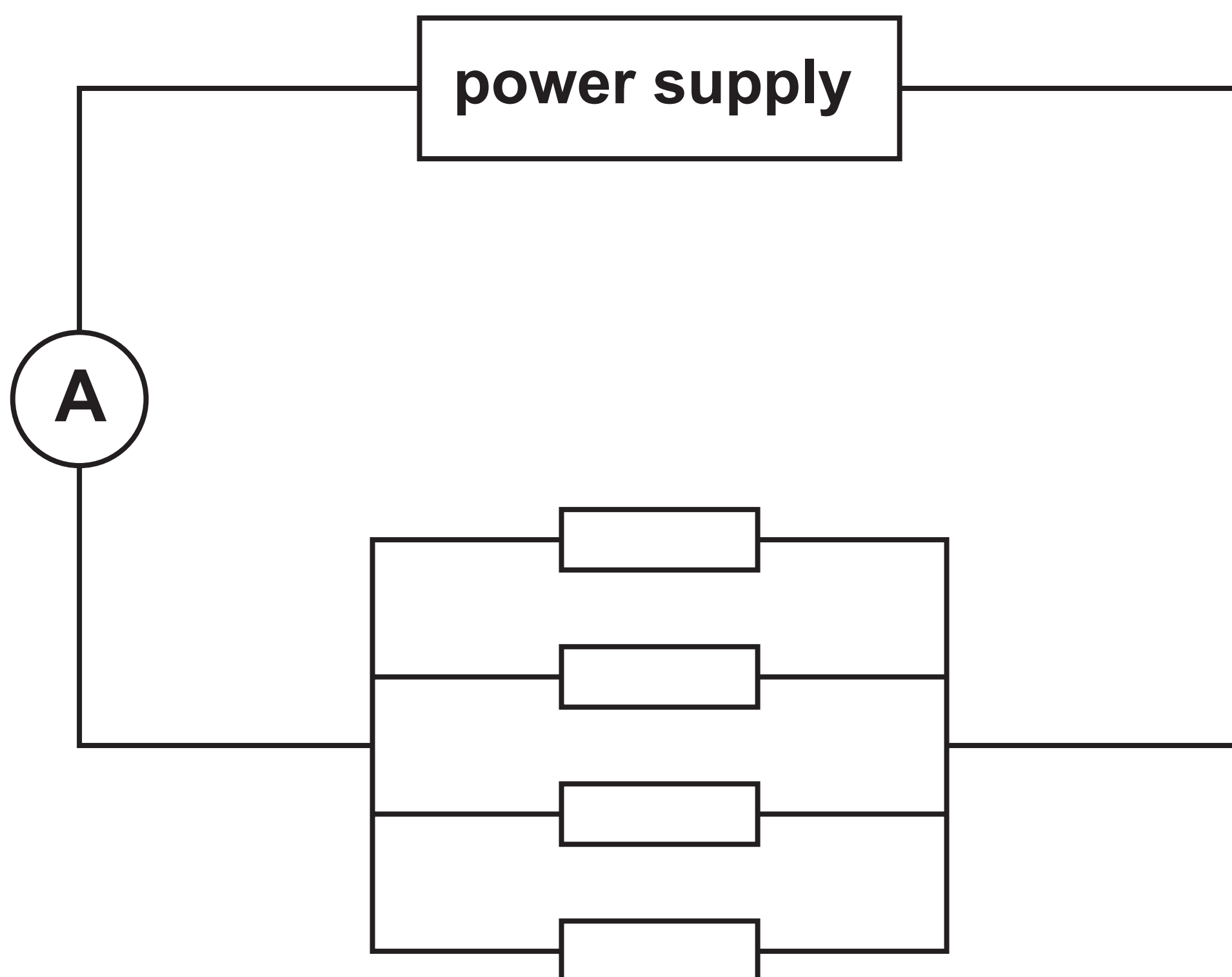


FIGURE 4



Question 2(b)

FIGURE 5



Question 2(b)

FIGURE 6

number of resistors	current in mA	voltage in V
4		6.00
3	27.3	6.00
2	18.2	6.00
1	9.1	6.00

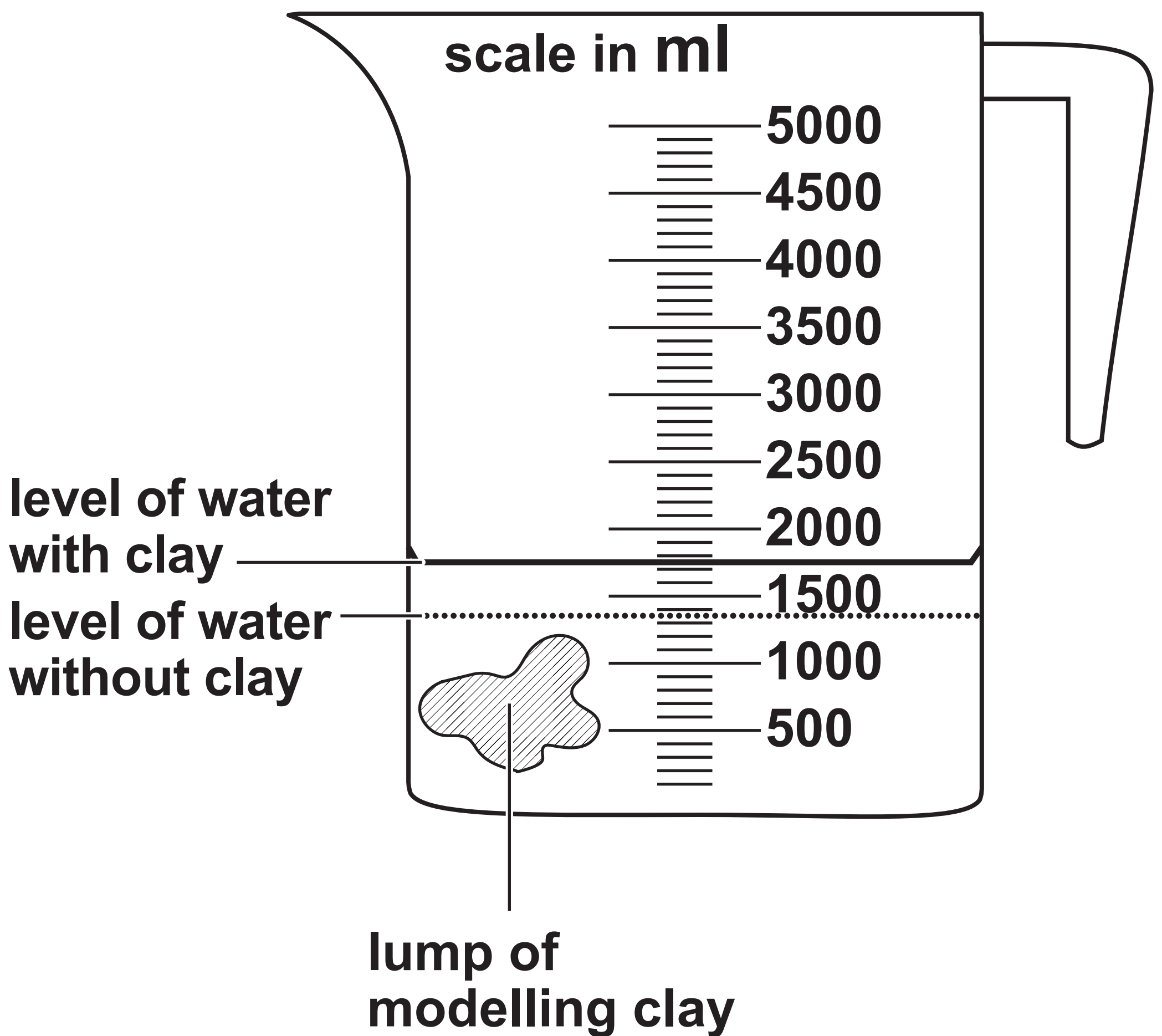
Question 3(b)

FIGURE 7

	density in g / cm ³
solid aluminium	2·70
liquid aluminium	2·38

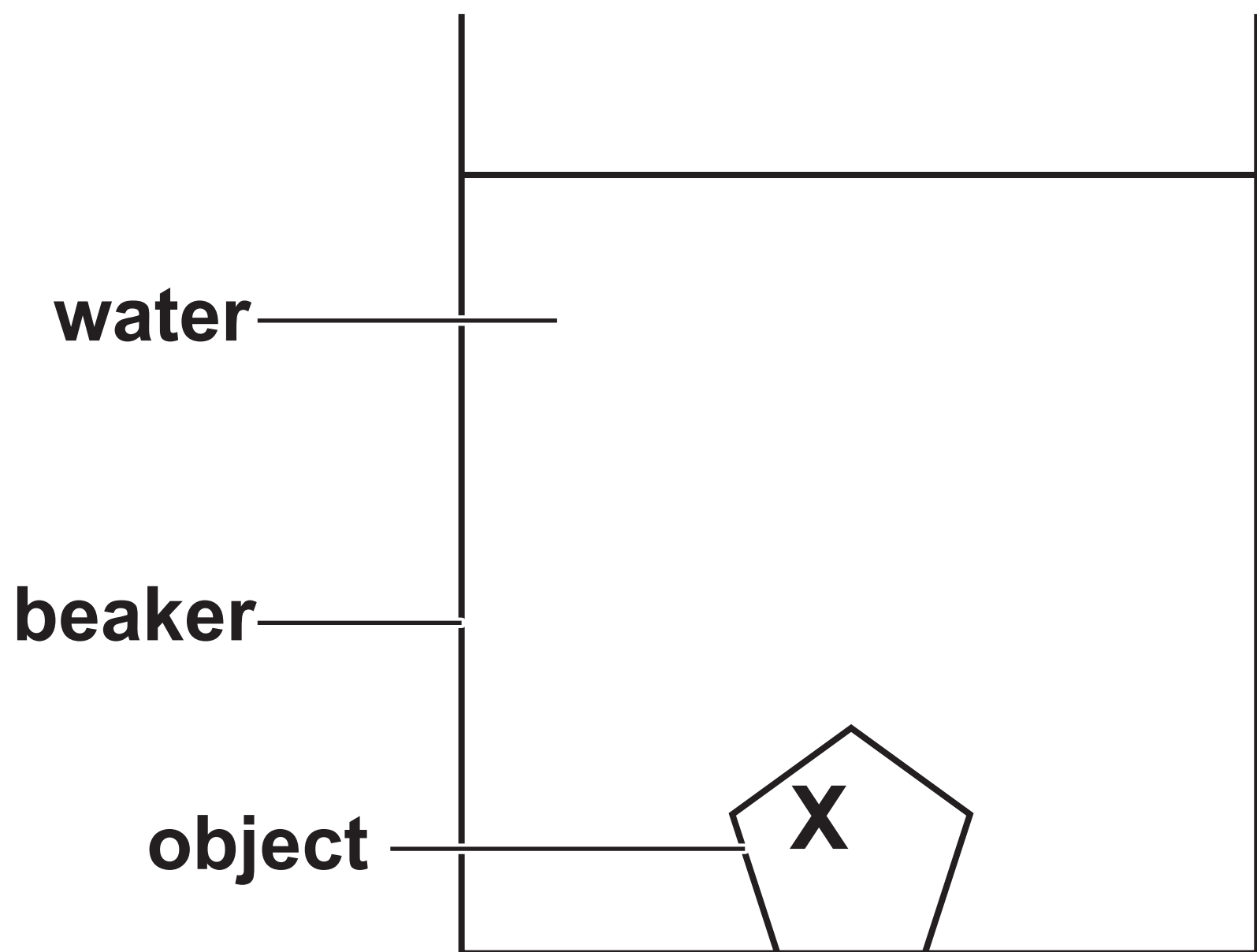
Question 3(d)

FIGURE 8

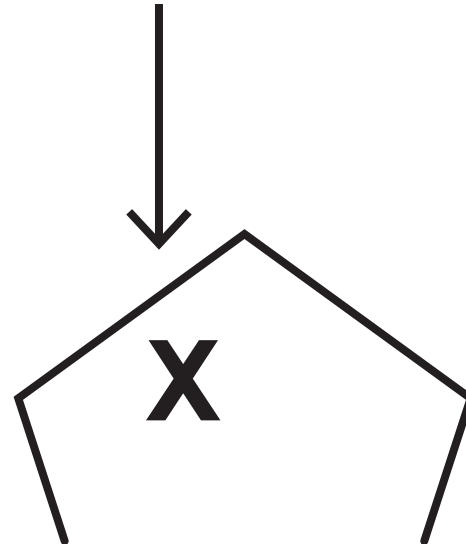
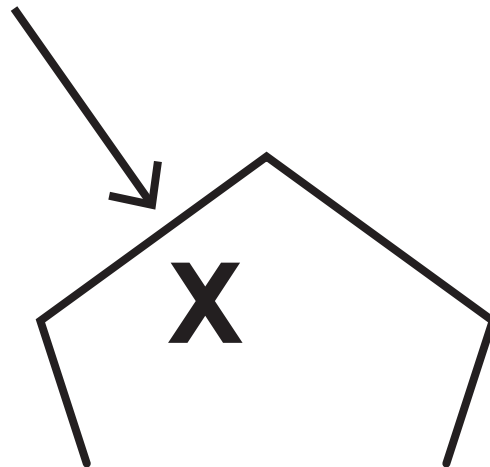
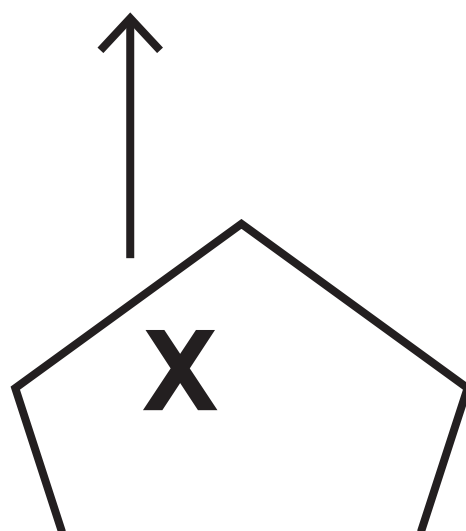


Question 4(a)

FIGURE 9

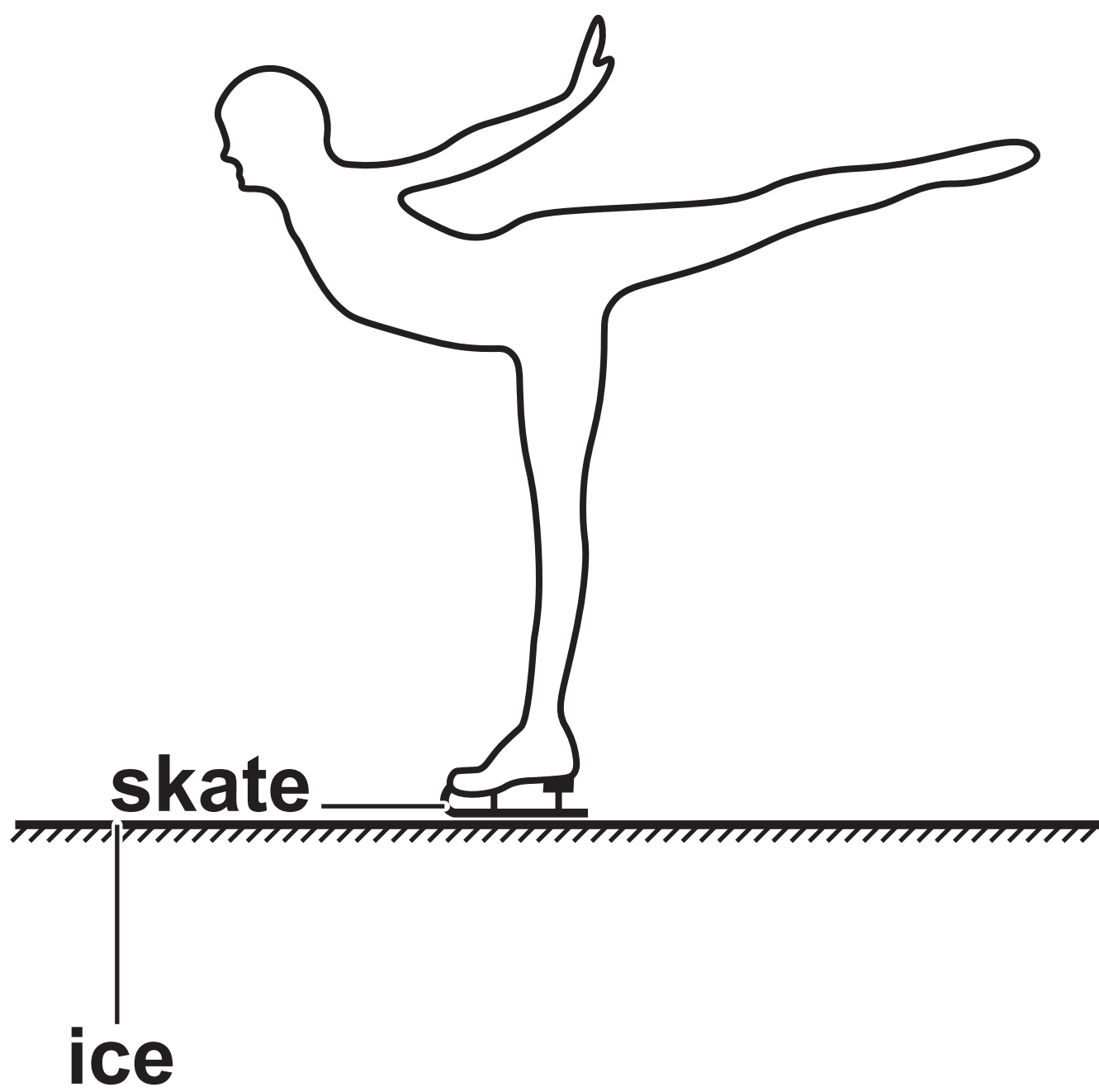


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Question 4(a) continued.**diagram A****diagram B****diagram C****diagram D**

Question 4(b)

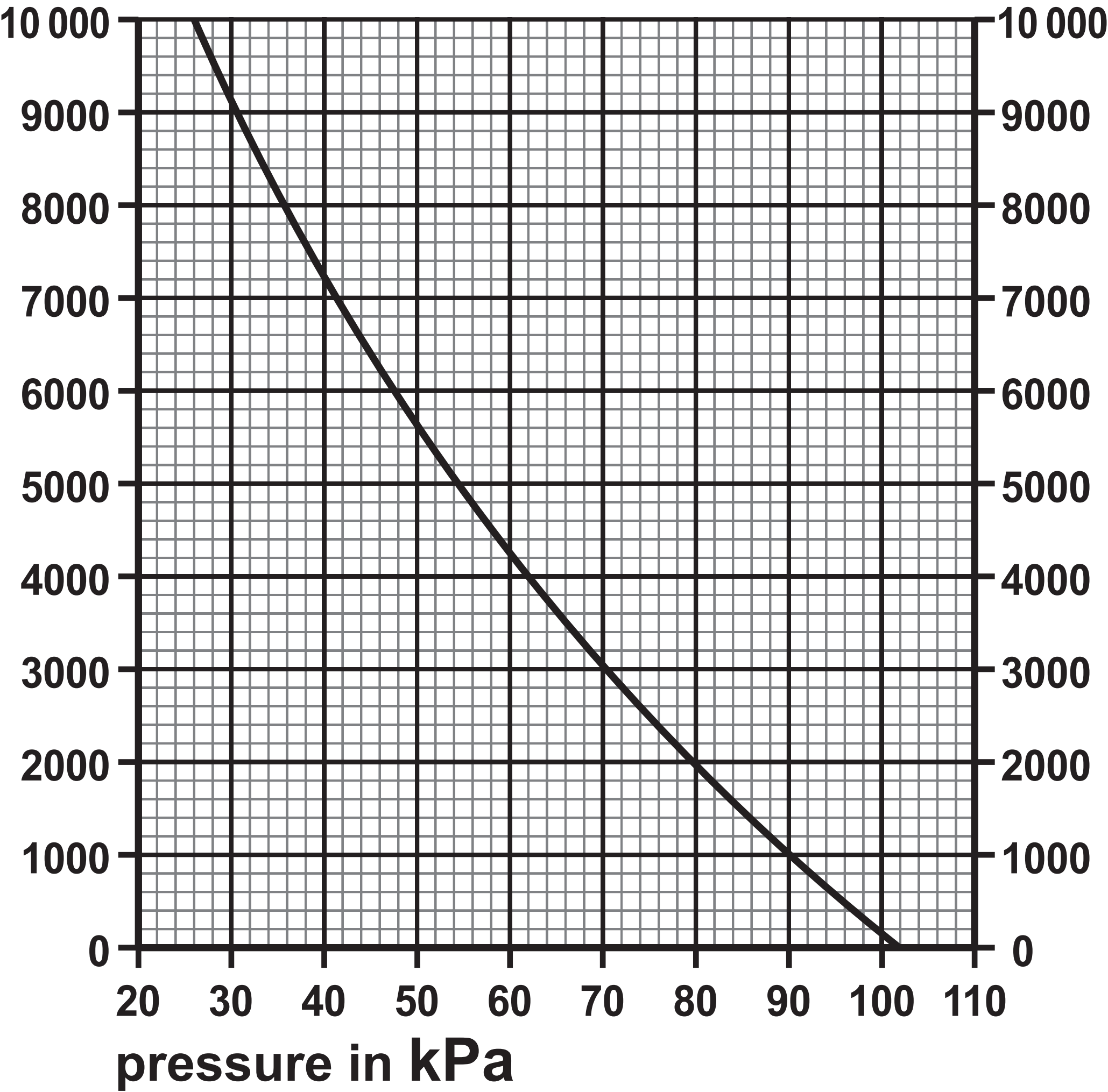
FIGURE 10



Question 4(c)

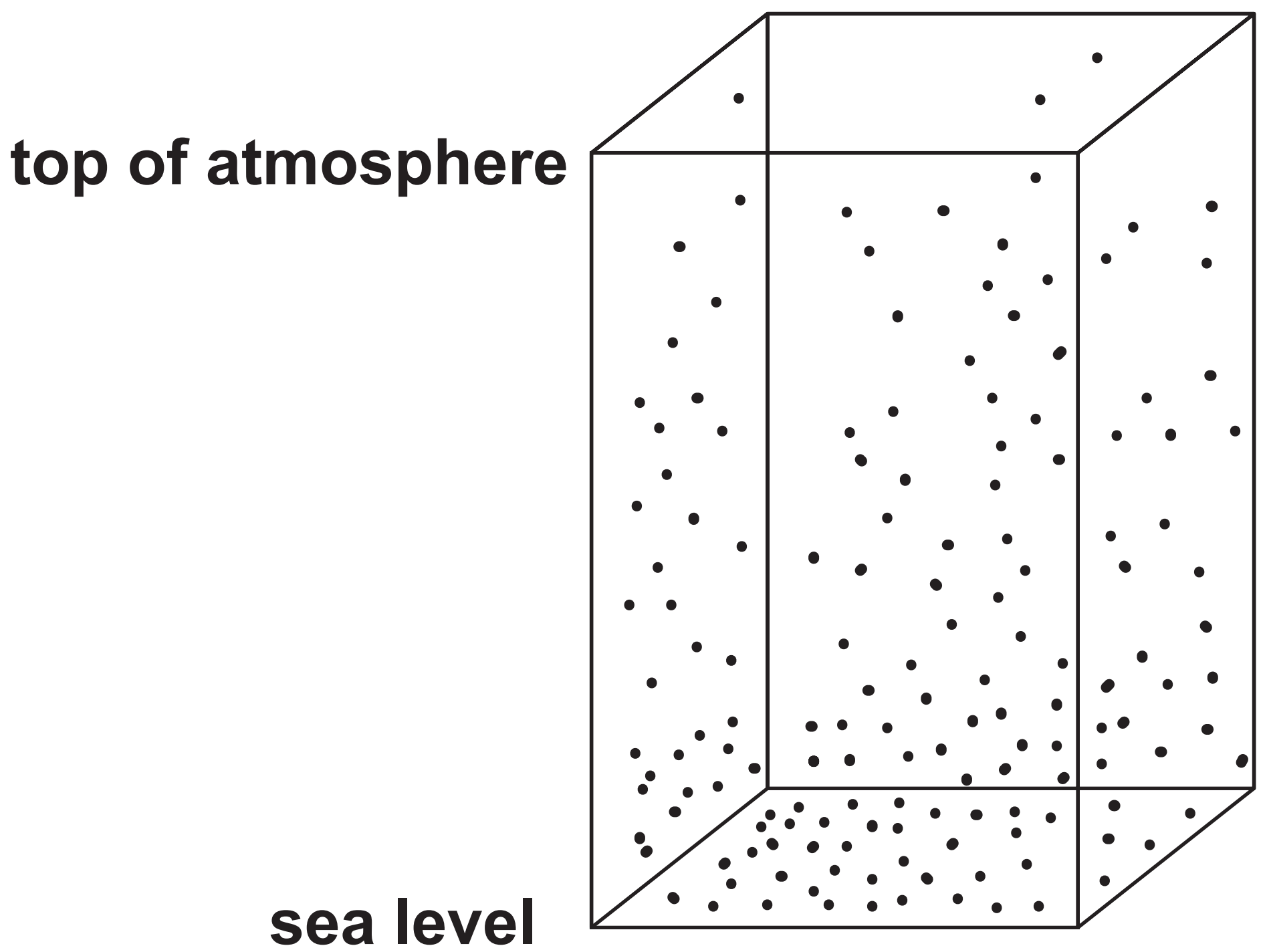
FIGURE 11

height in m



Question 4(d)

FIGURE 12

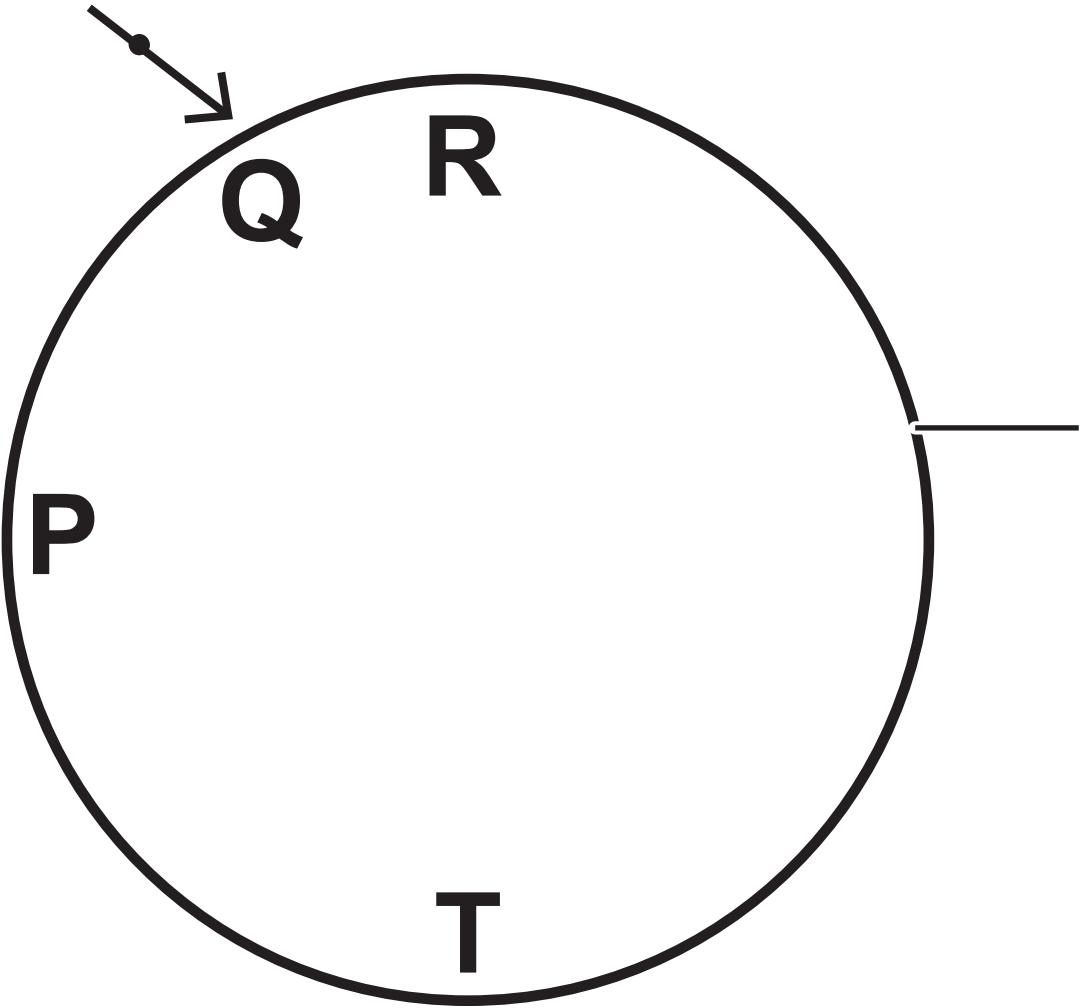


Question 5(a)

FIGURE 13

not to scale

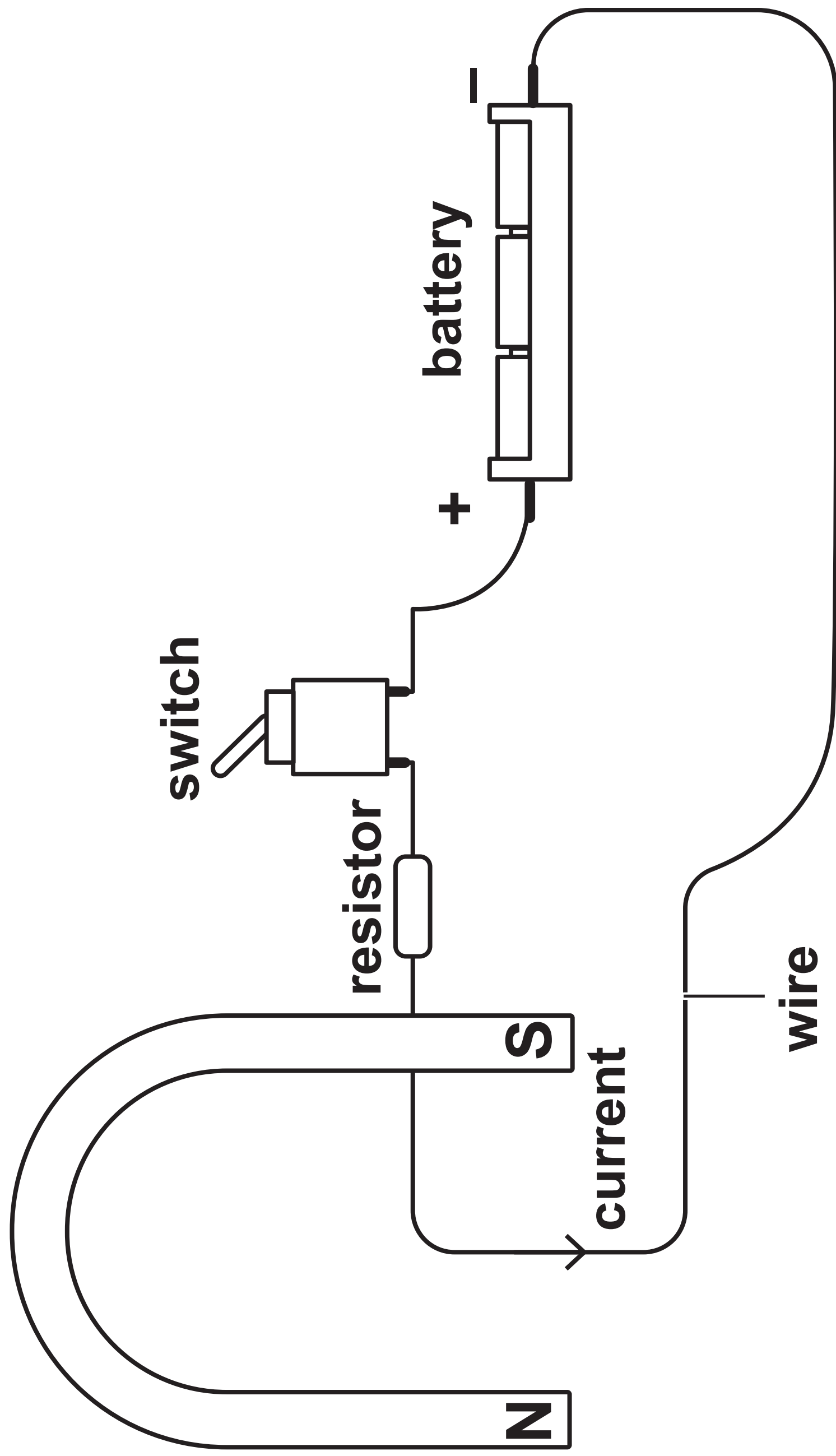
compass needle



Earth's
surface

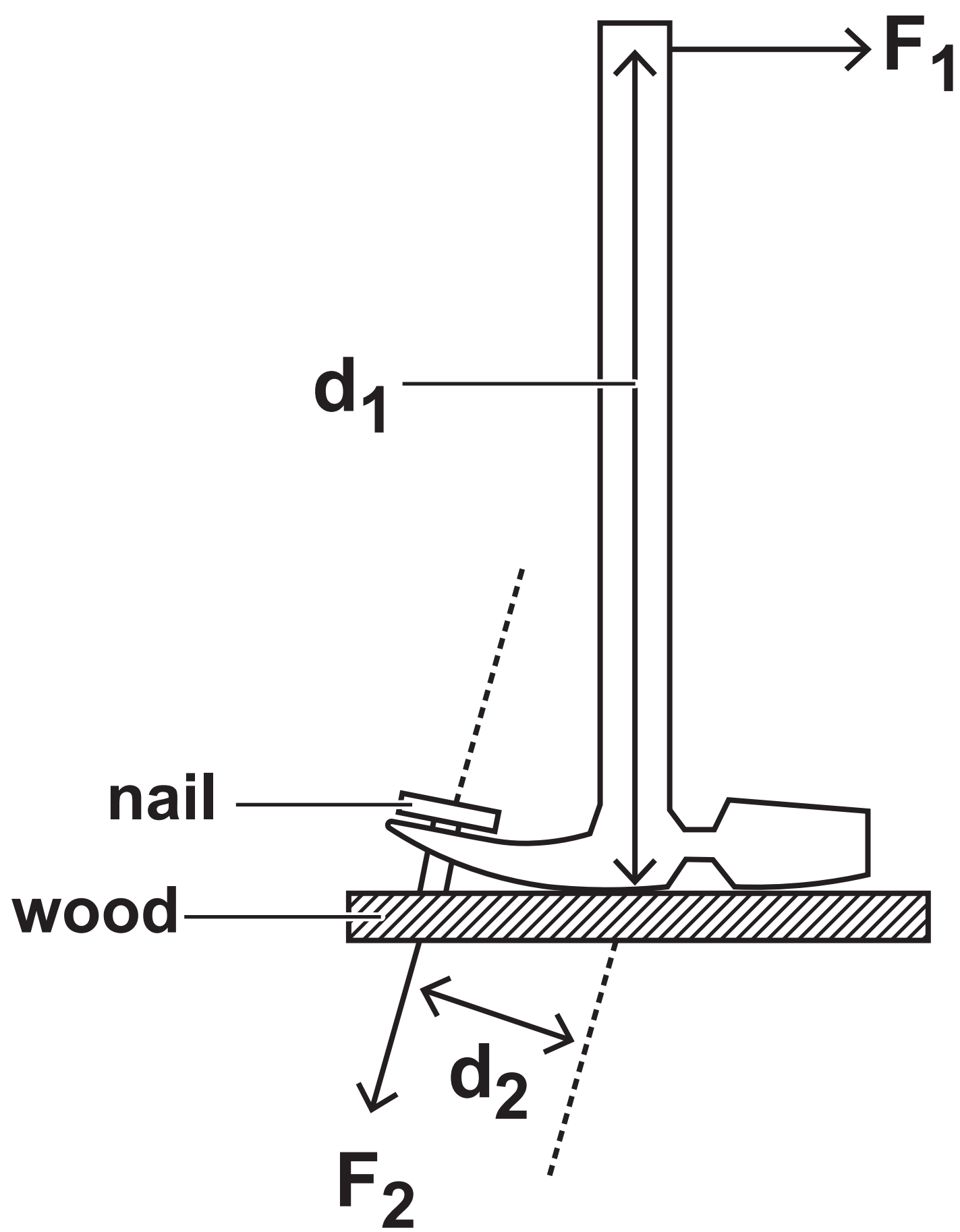
compass needle

FIGURE 14



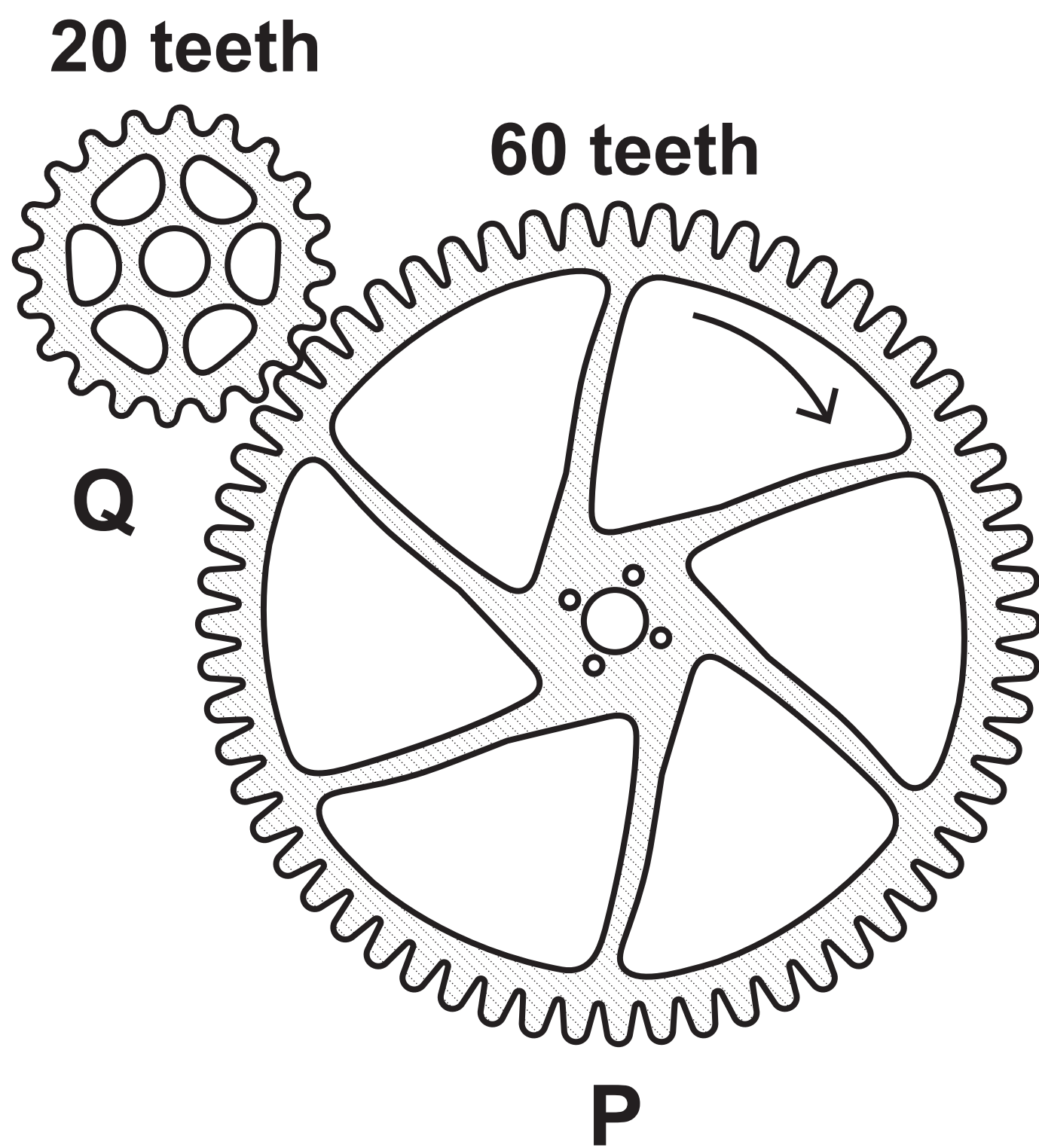
Question 6(b)

FIGURE 15



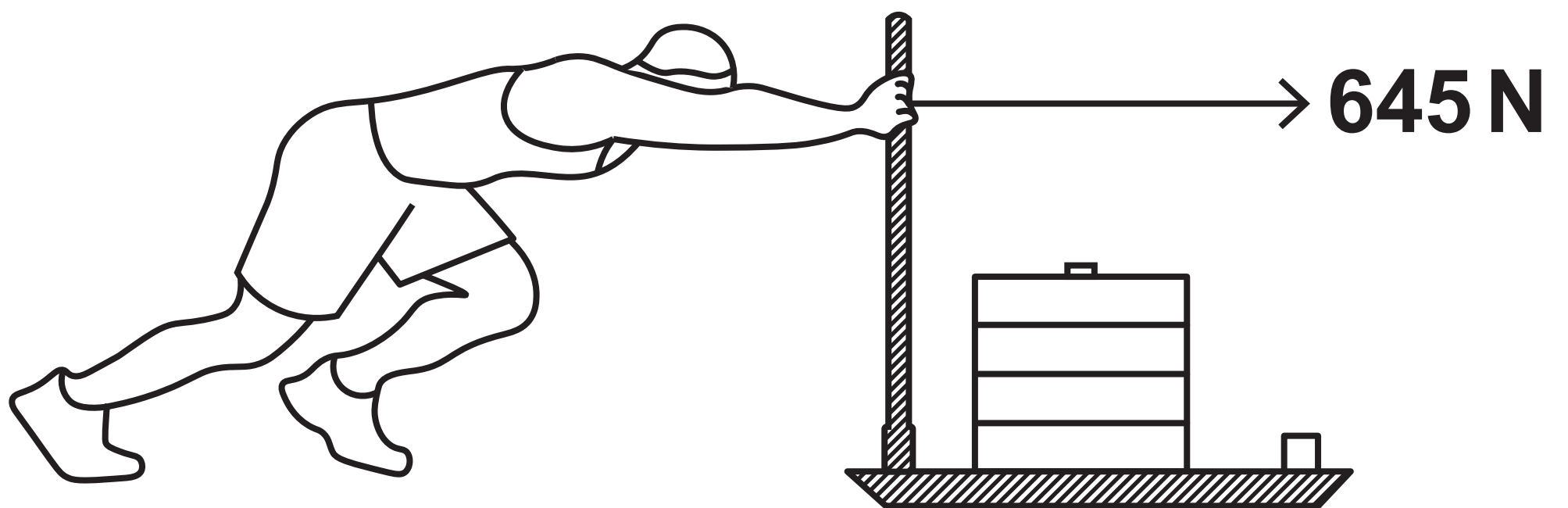
Question 6(c)

FIGURE 16



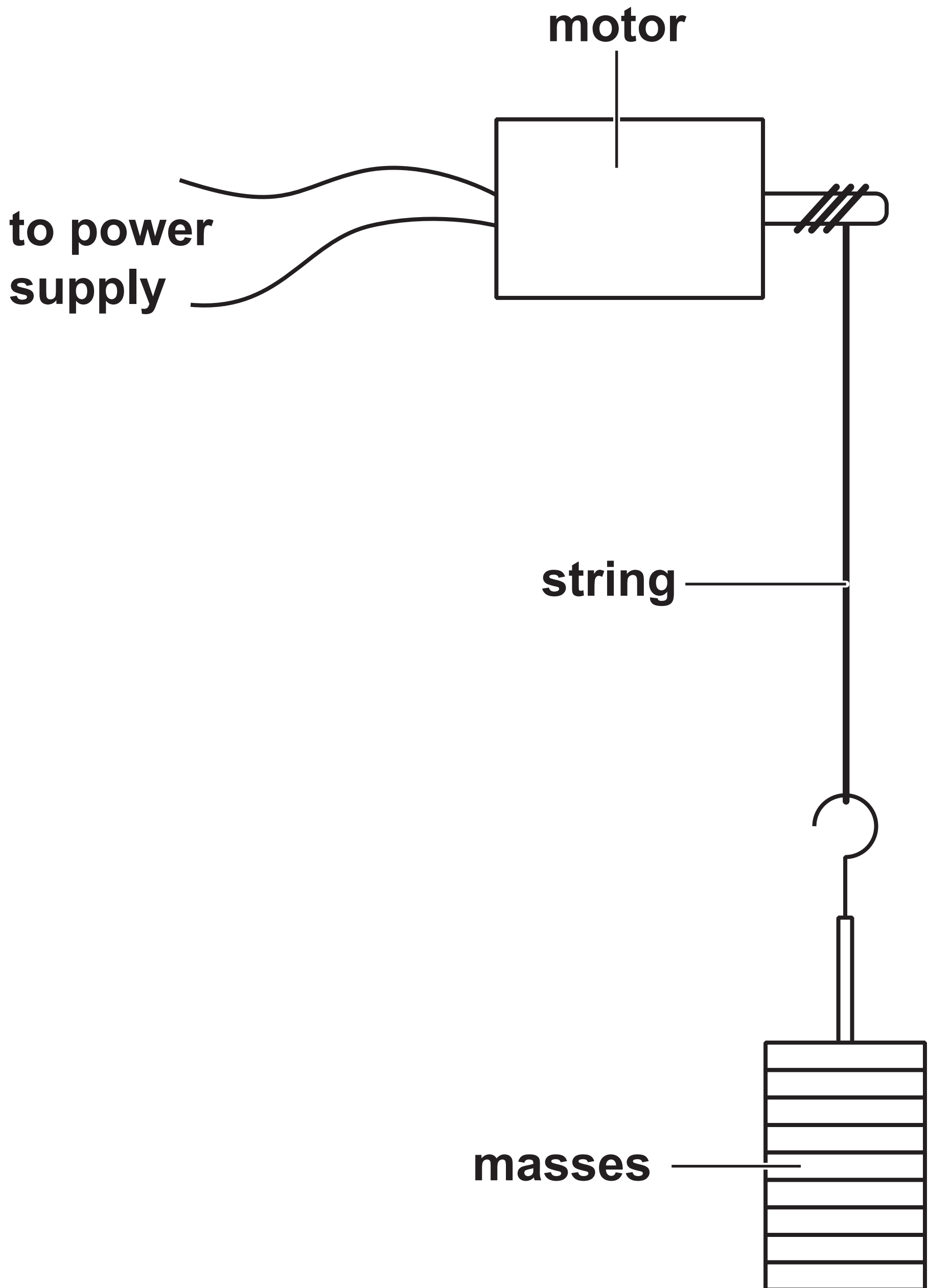
Question 7(a)

FIGURE 17



Question 7(b)

FIGURE 18



Question 8(a)

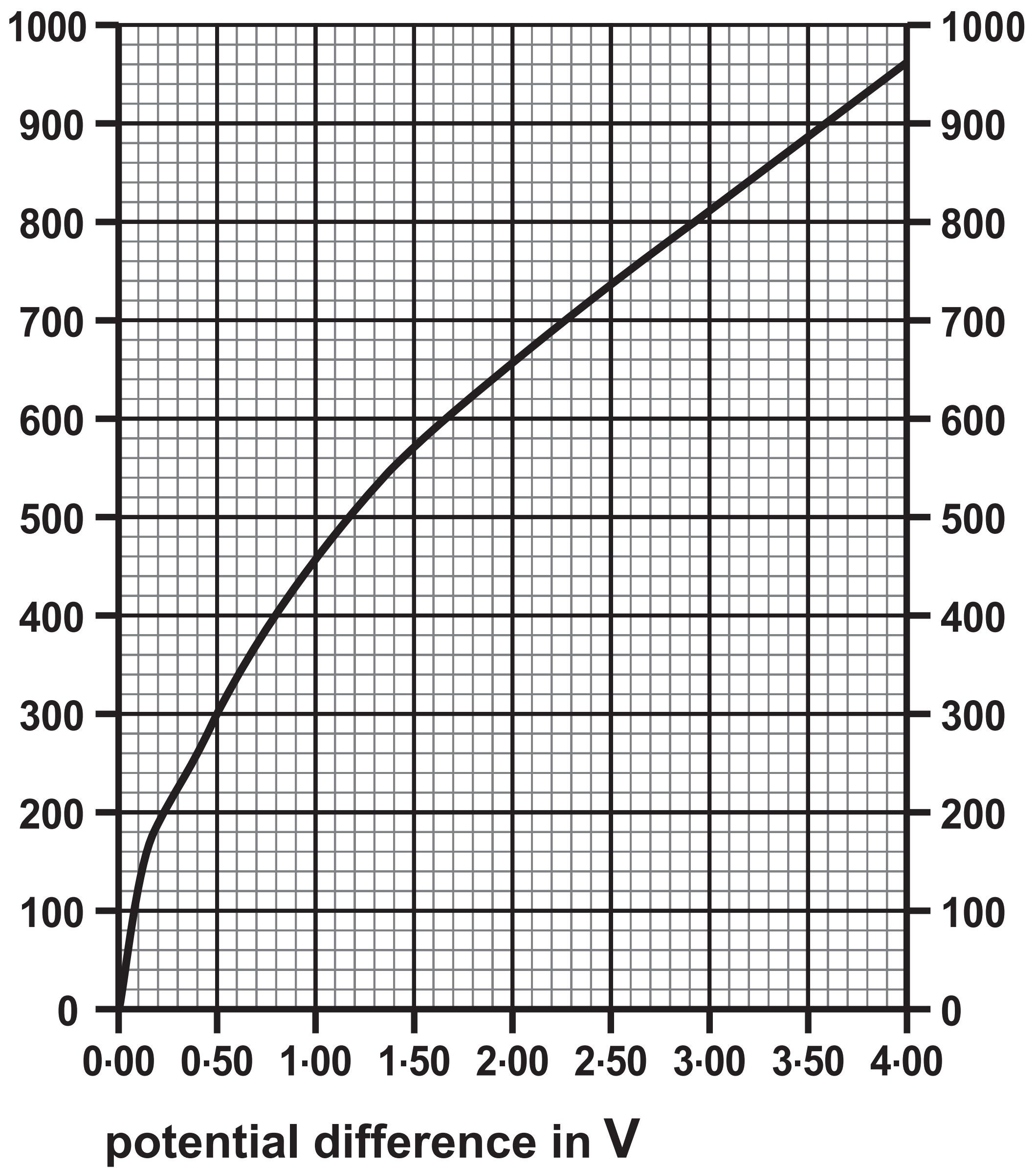
FIGURE 19



Question 8(b)

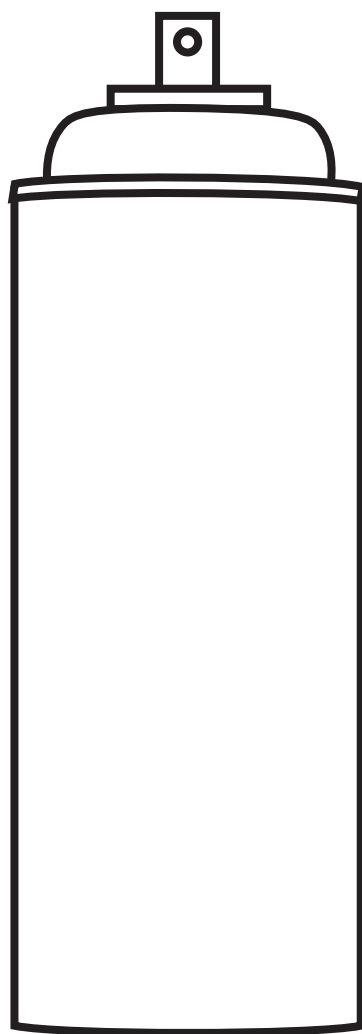
FIGURE 20

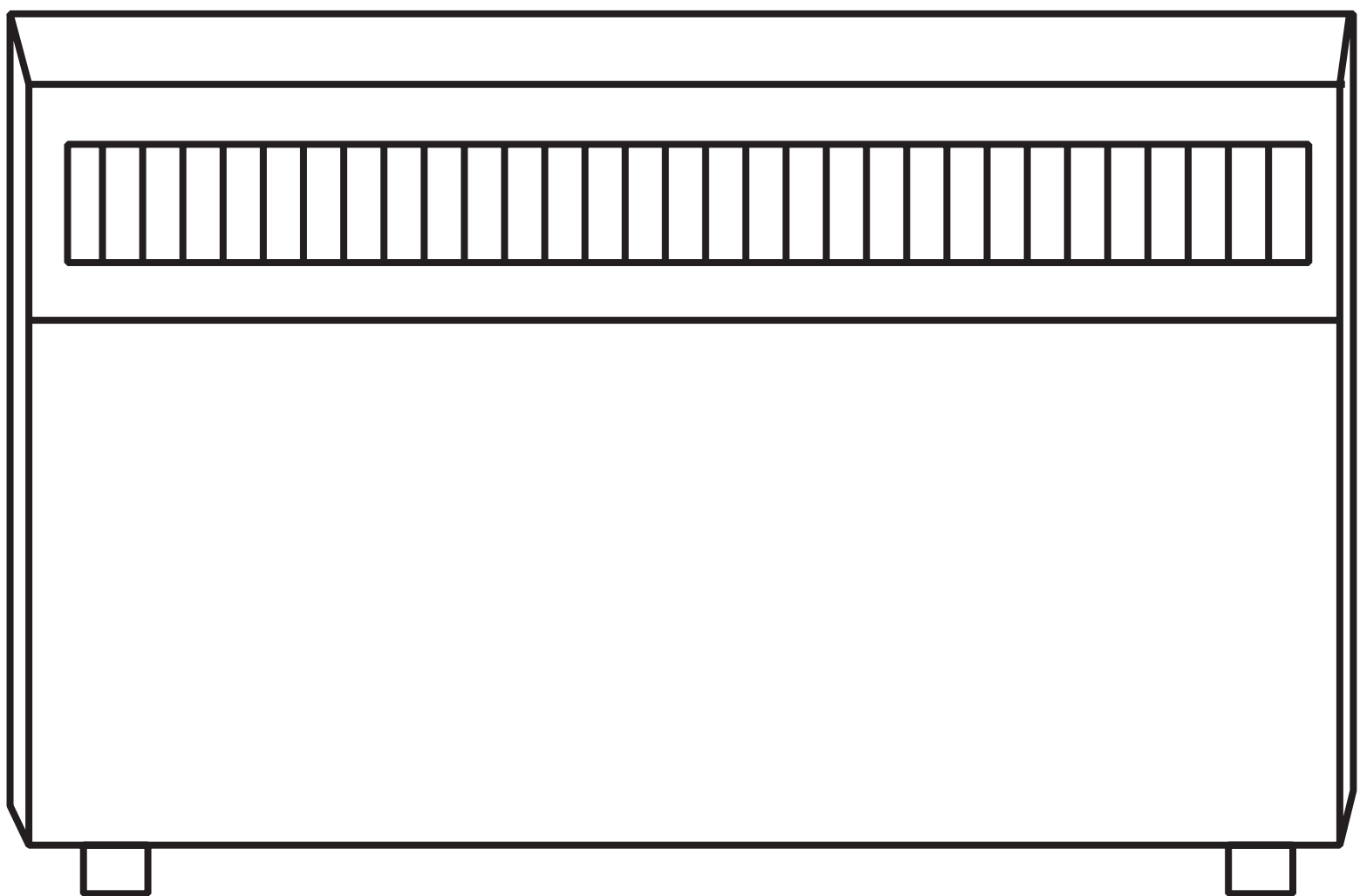
current in mA



Question 9(b)

FIGURE 21

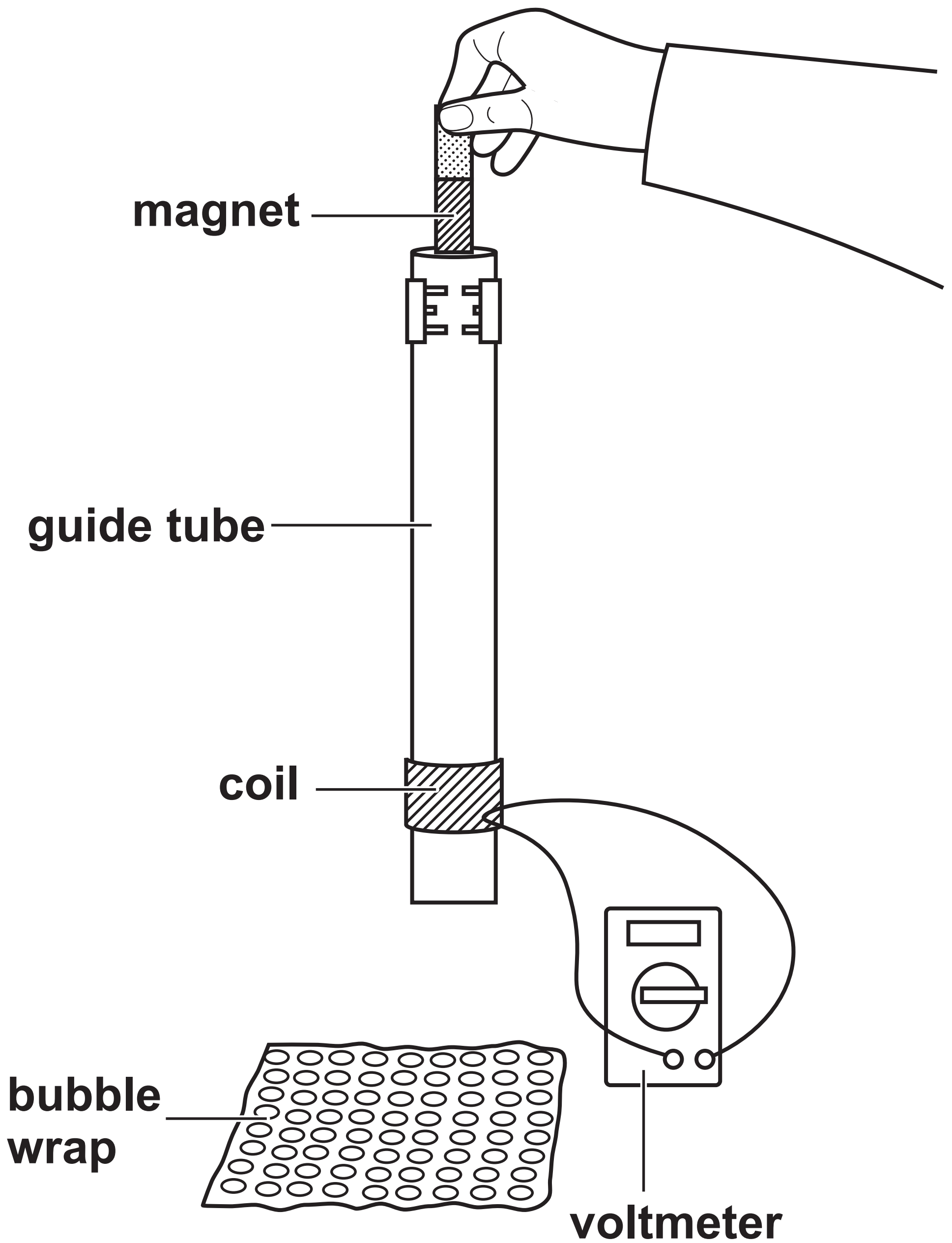


Question 9(c)**FIGURE 22**

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Question 10(a)

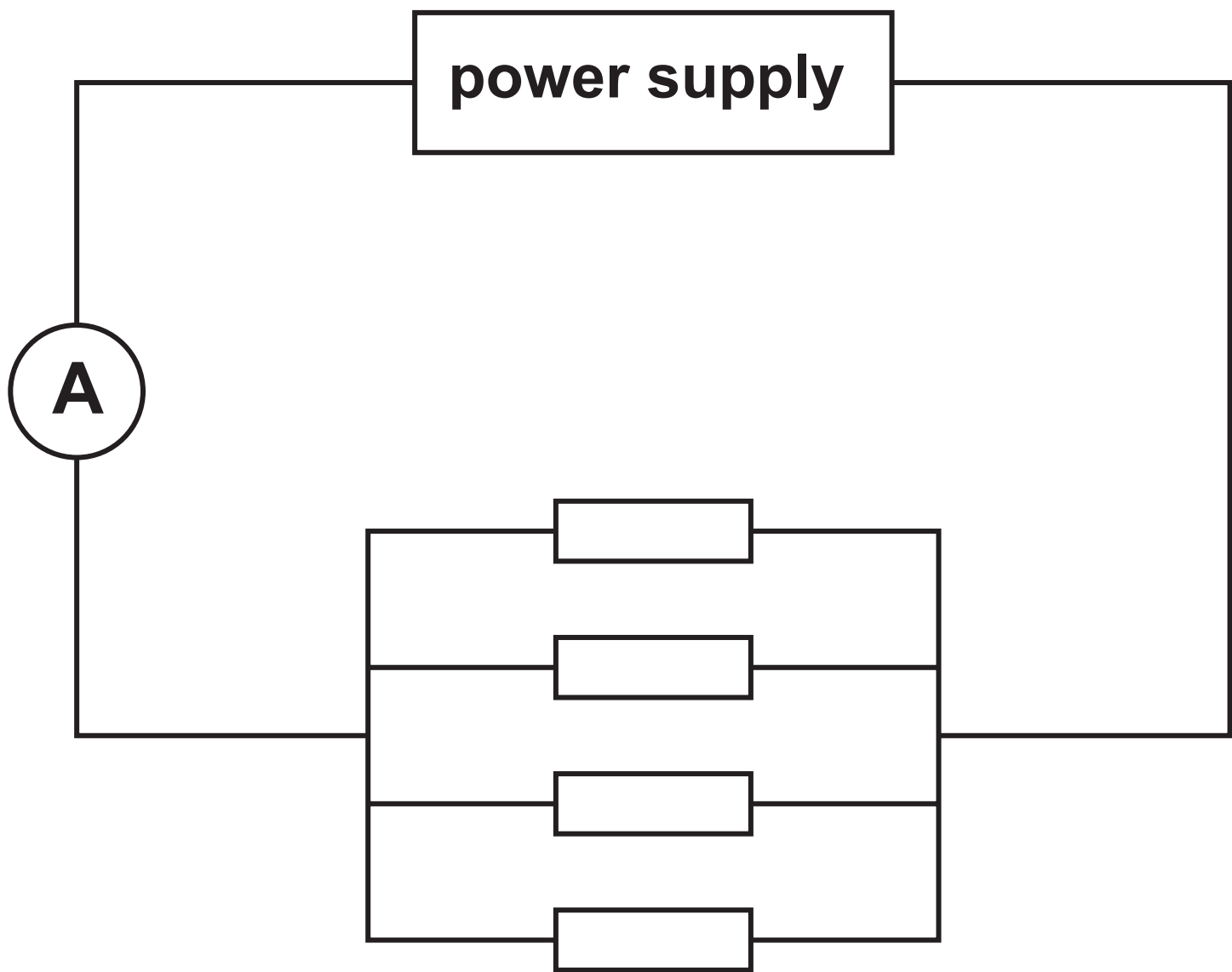
FIGURE 23



Question 10(b) – Blank

Question 2(b)

FIGURE 5



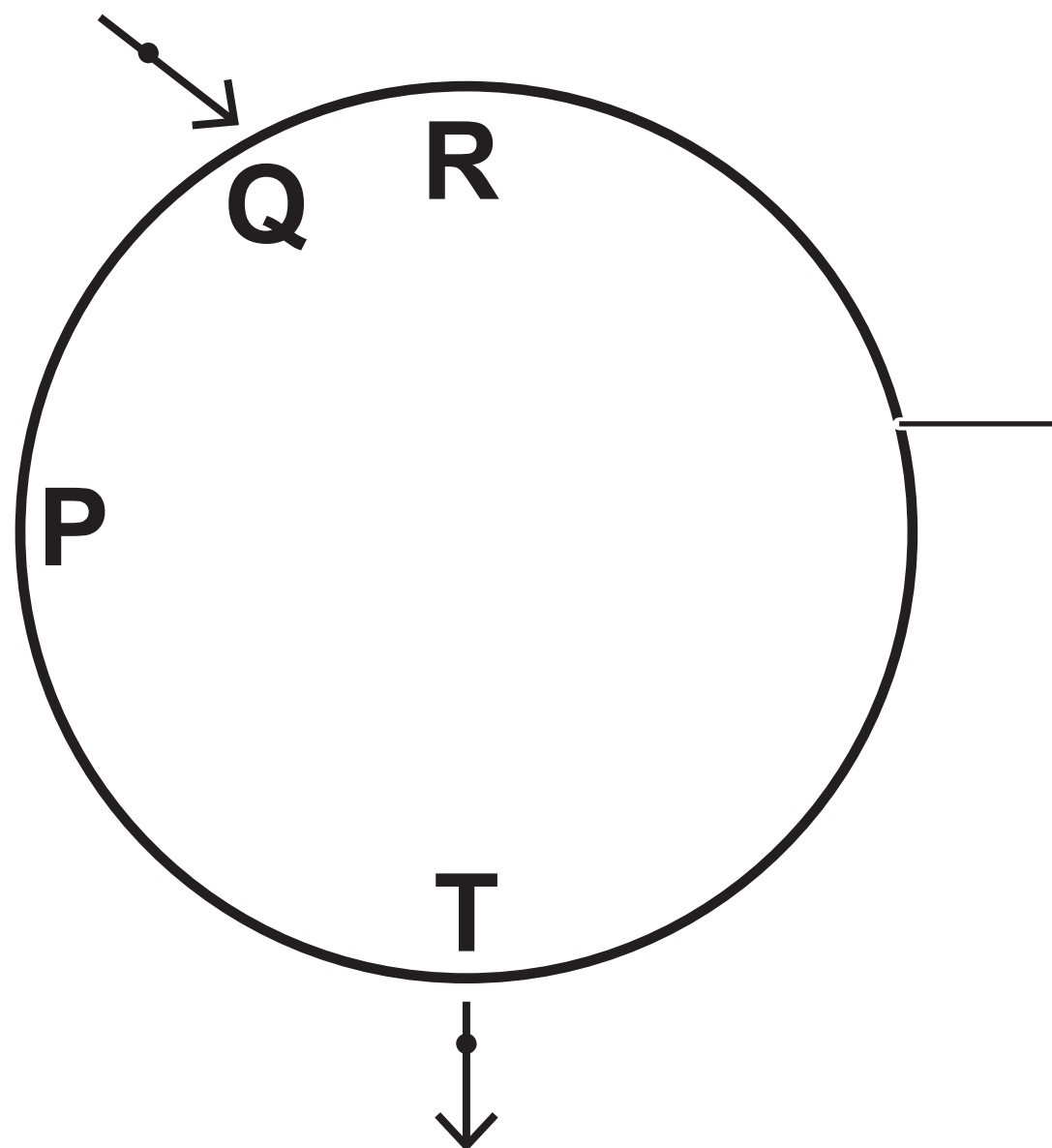
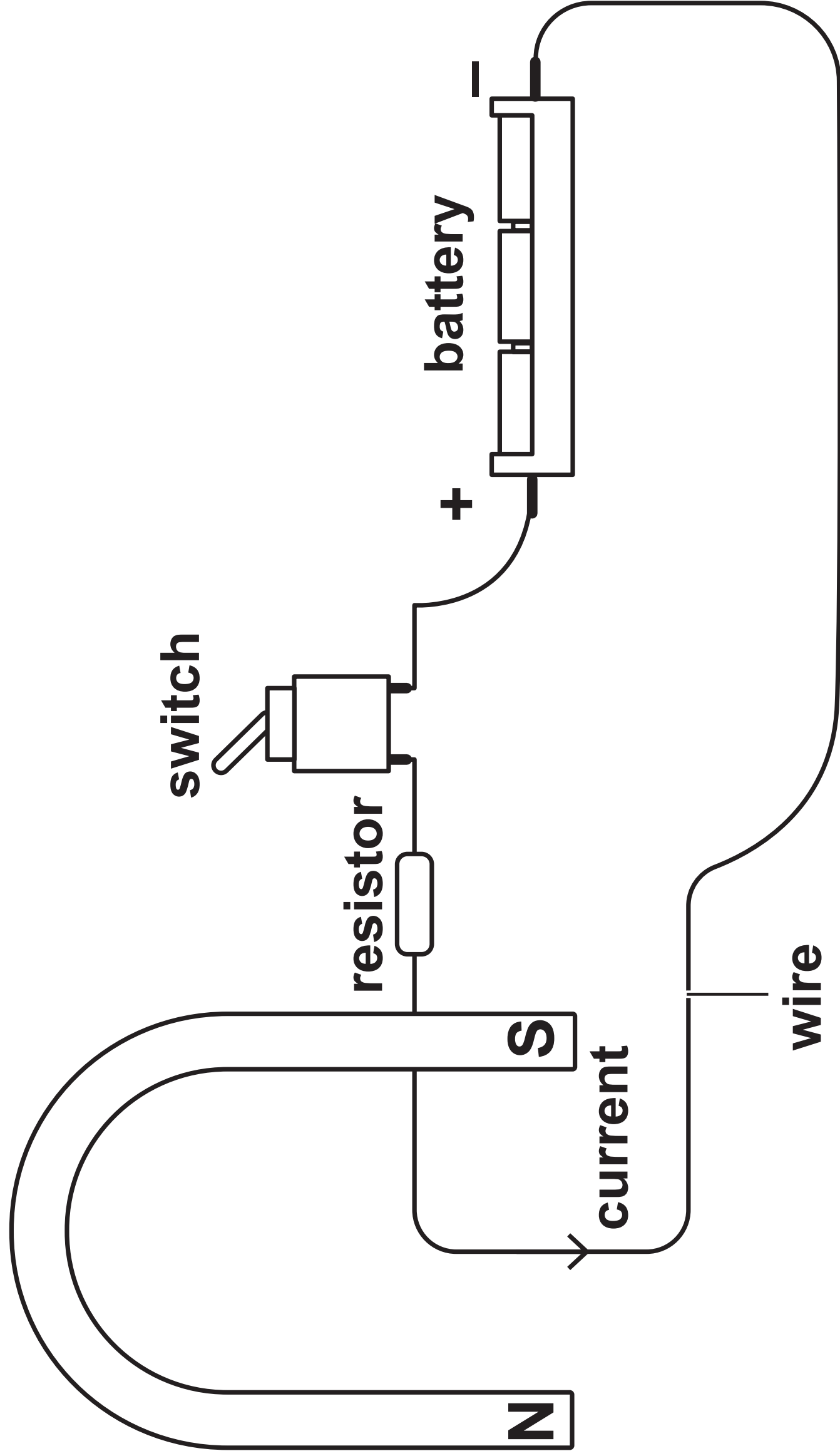
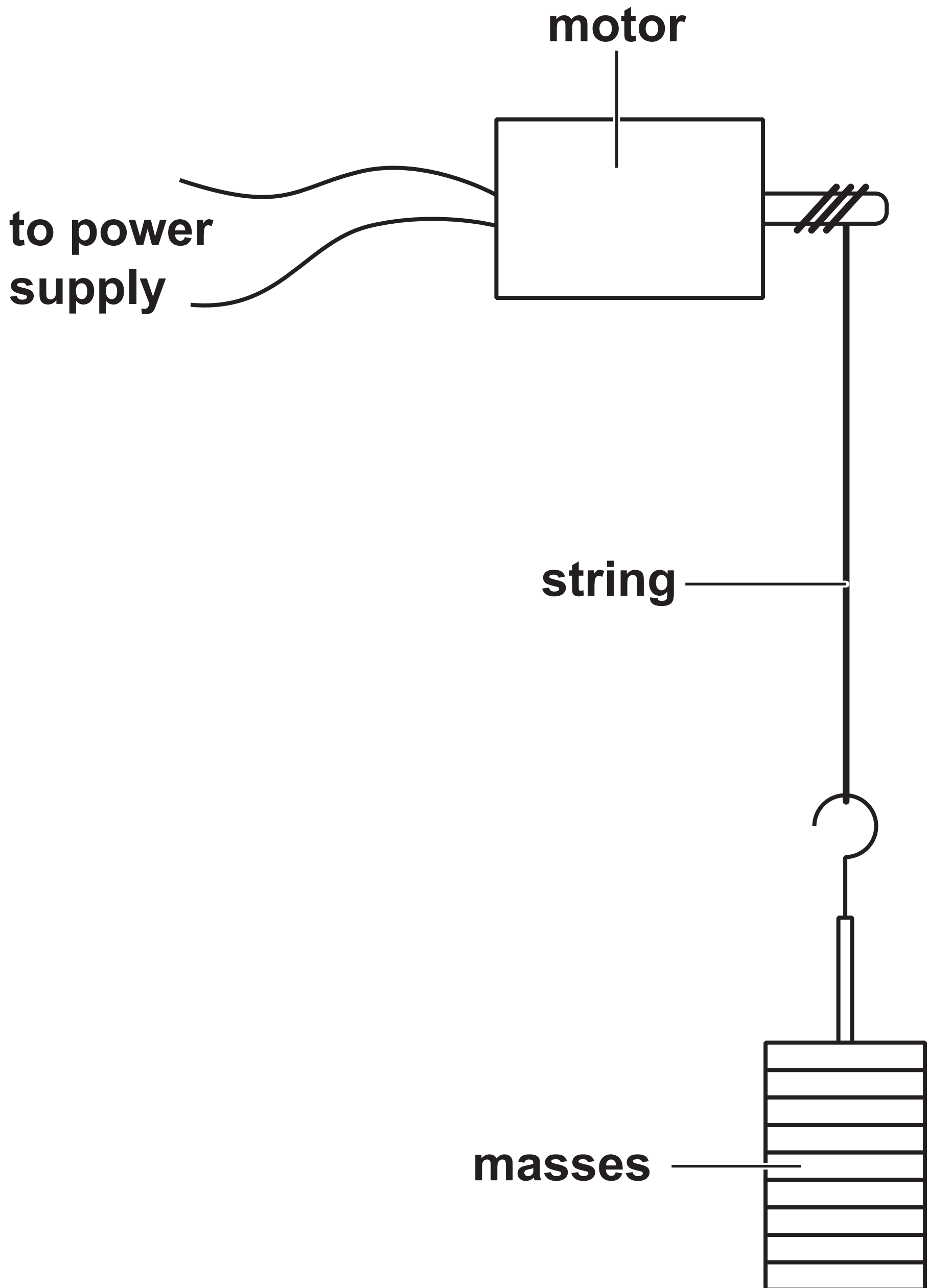
Question 5(a)**FIGURE 13****not to scale****compass needle****Earth's
surface****compass needle**

FIGURE 14



Question 7(b)

FIGURE 18



Question 8(a)

FIGURE 19



Question 9(d) – Blank

Question 10(b) – Blank