

Paper Reference(s) 1SC0/2PF
Pearson Edexcel Level 1/Level 2 GCSE (9–1)

Combined Science
PAPER 6
Foundation Tier

Friday 14 June 2024 – Afternoon

Time: 1 hour 10 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					
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INSTRUCTIONS

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

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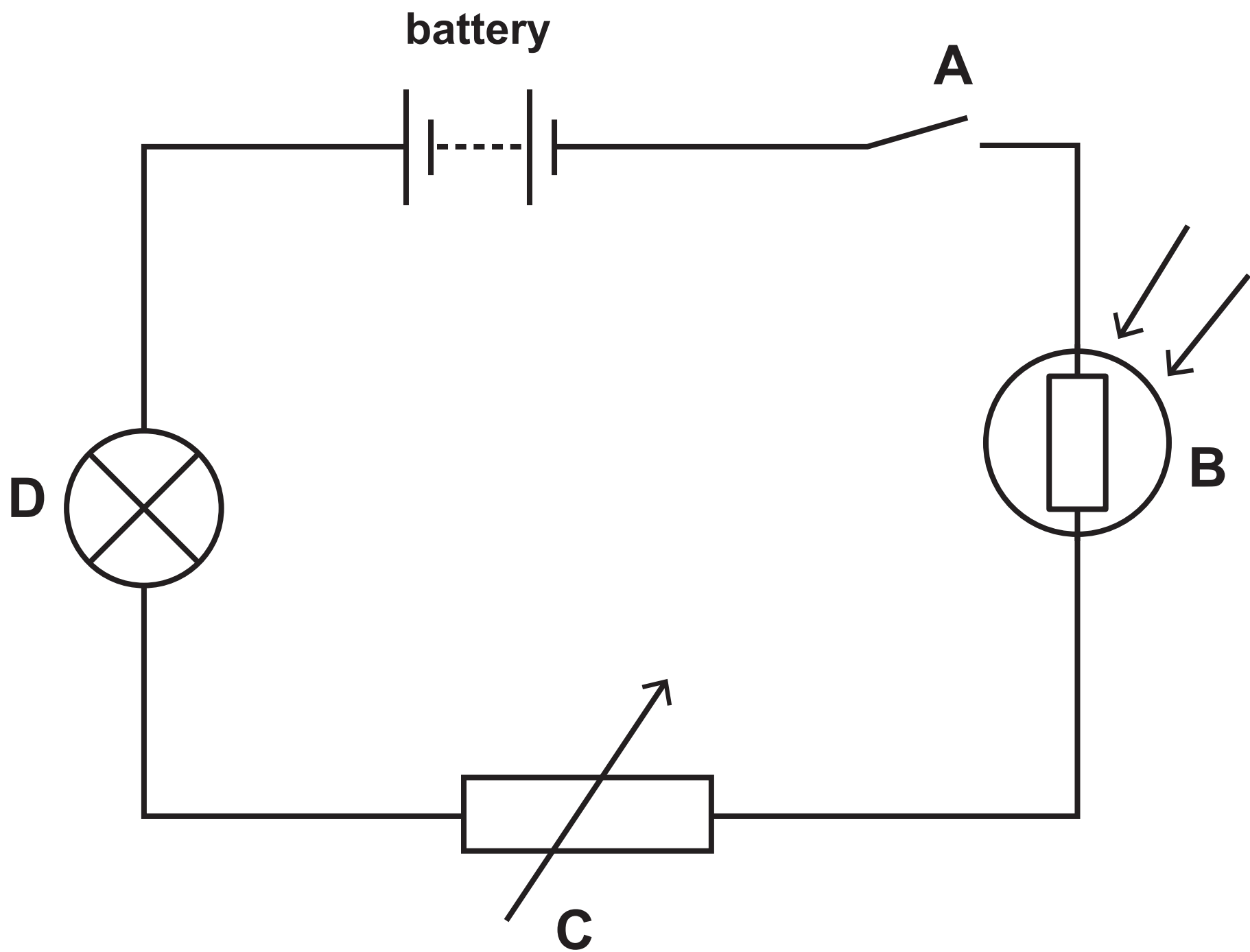
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Question 1(a)

FIGURE 1



A _____

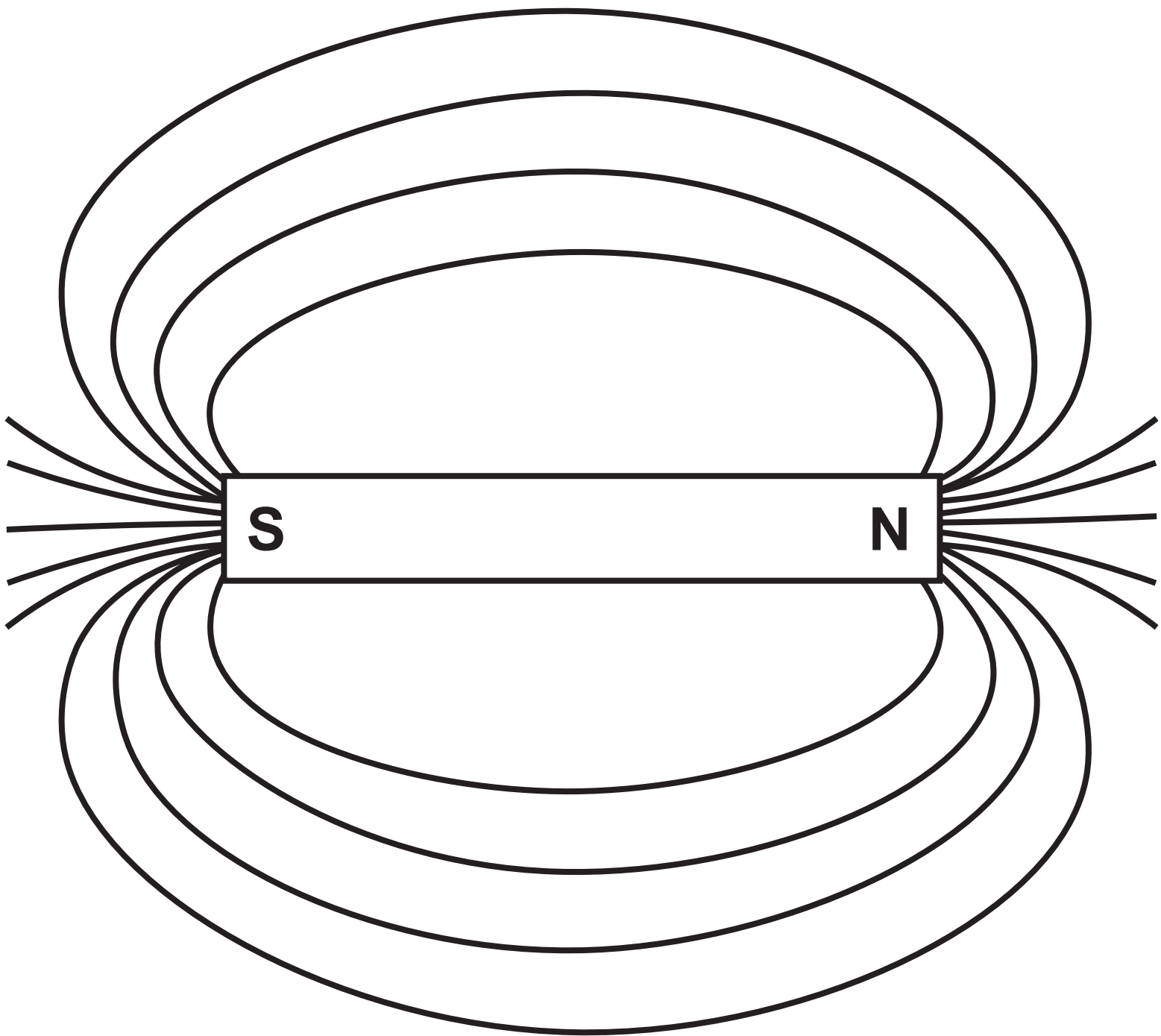
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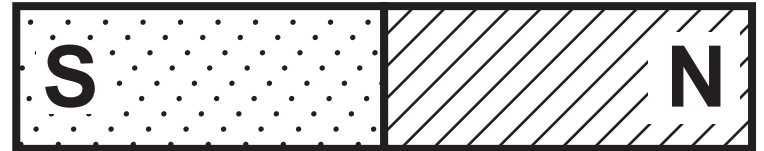
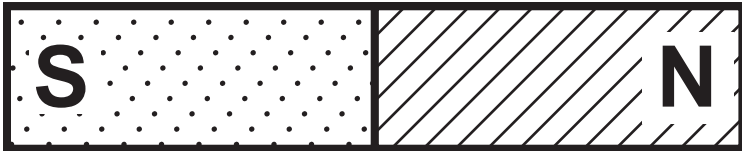
C _____

D _____

Question 2(a)

FIGURE 2

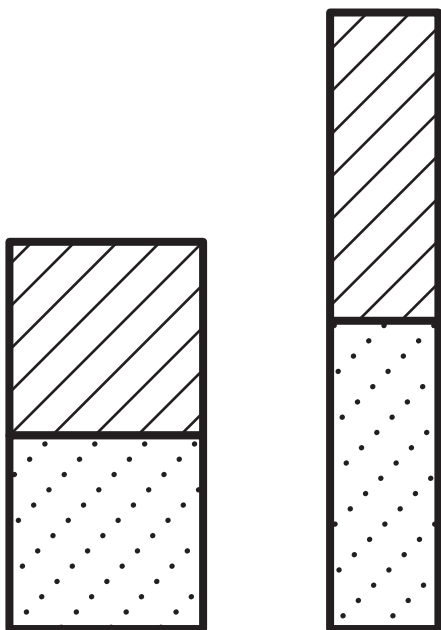


Question 2(b)**FIGURE 3**

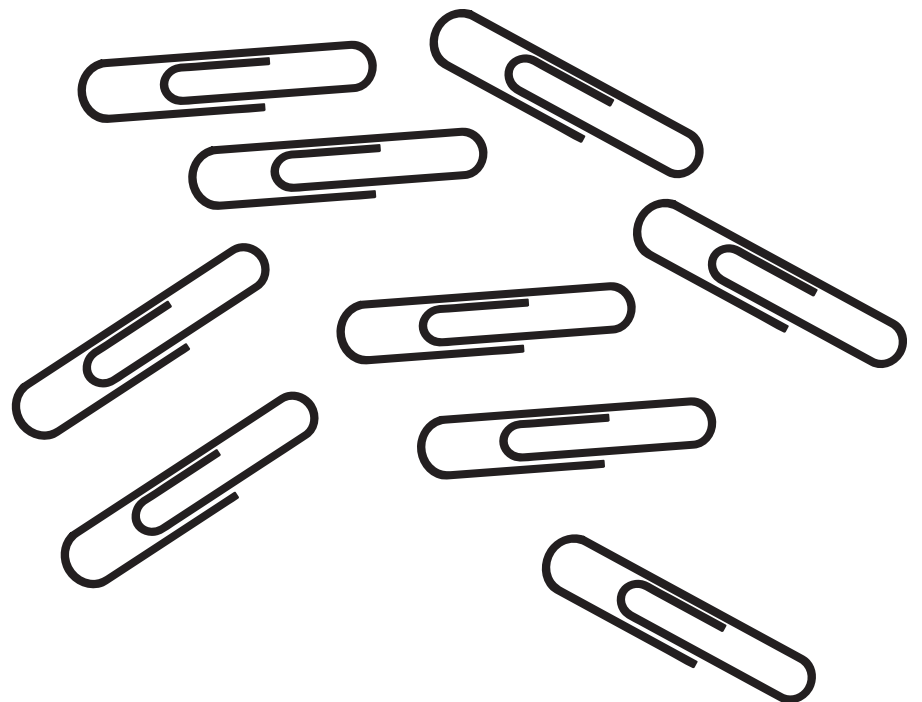
Question 2(c)

FIGURE 4

two permanent magnets

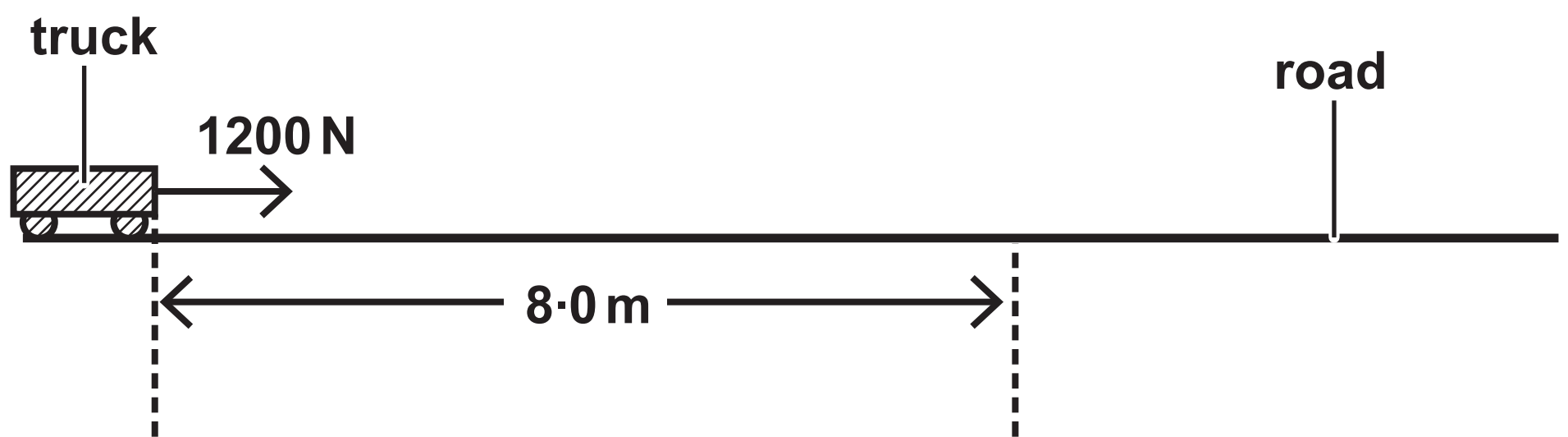


paper clips



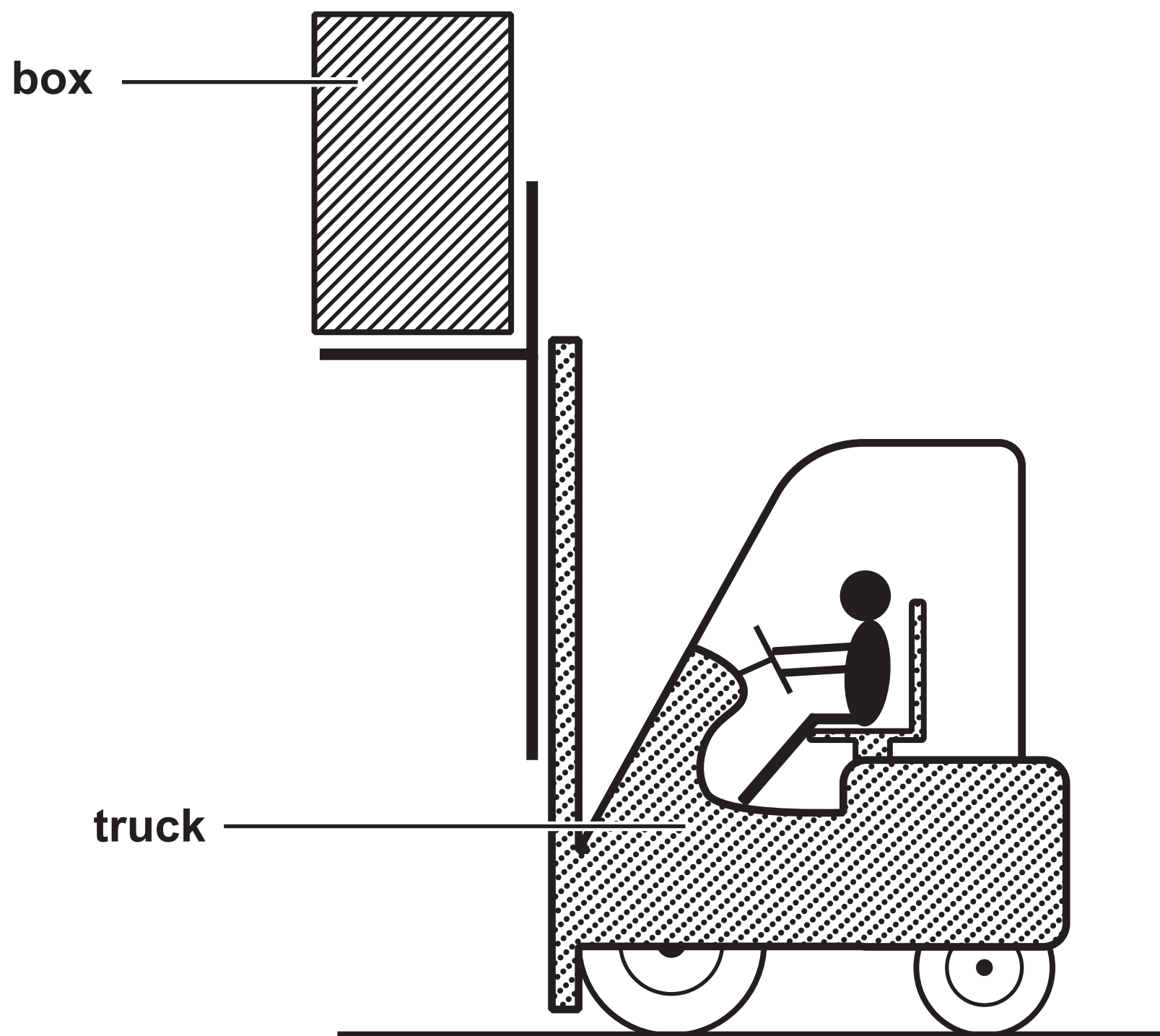
Question 3(a)

FIGURE 5



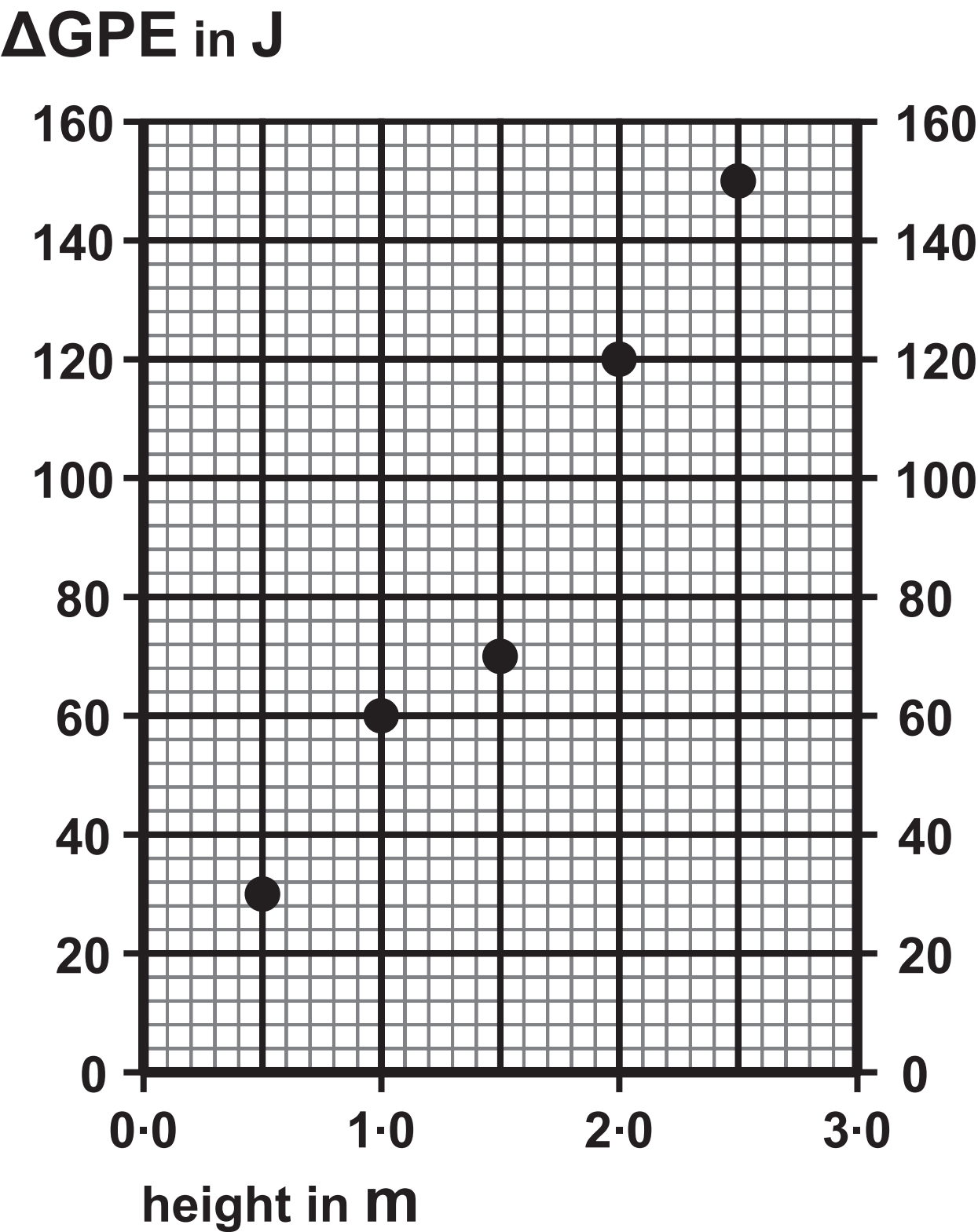
Question 3(c) – FIGURE 6

FIGURE 6



Question 3(c) – FIGURE 7

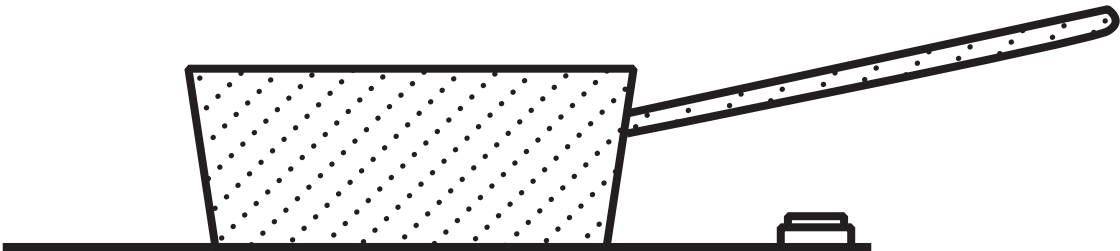
FIGURE 7



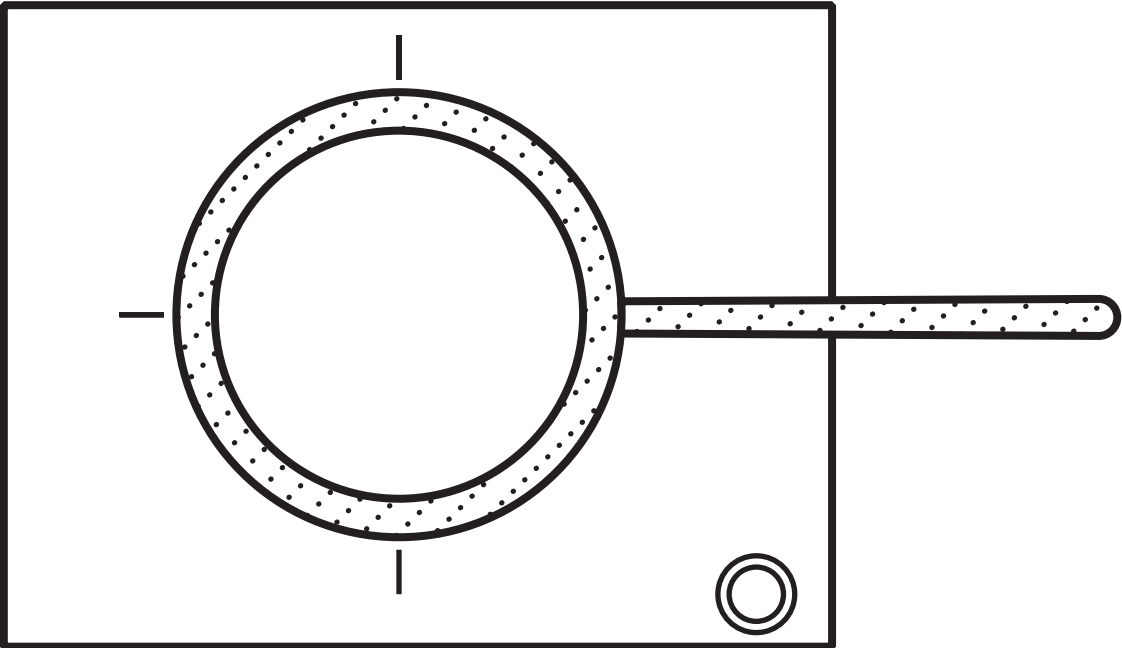
Question 4

FIGURE 8

SIDE VIEW



TOP VIEW



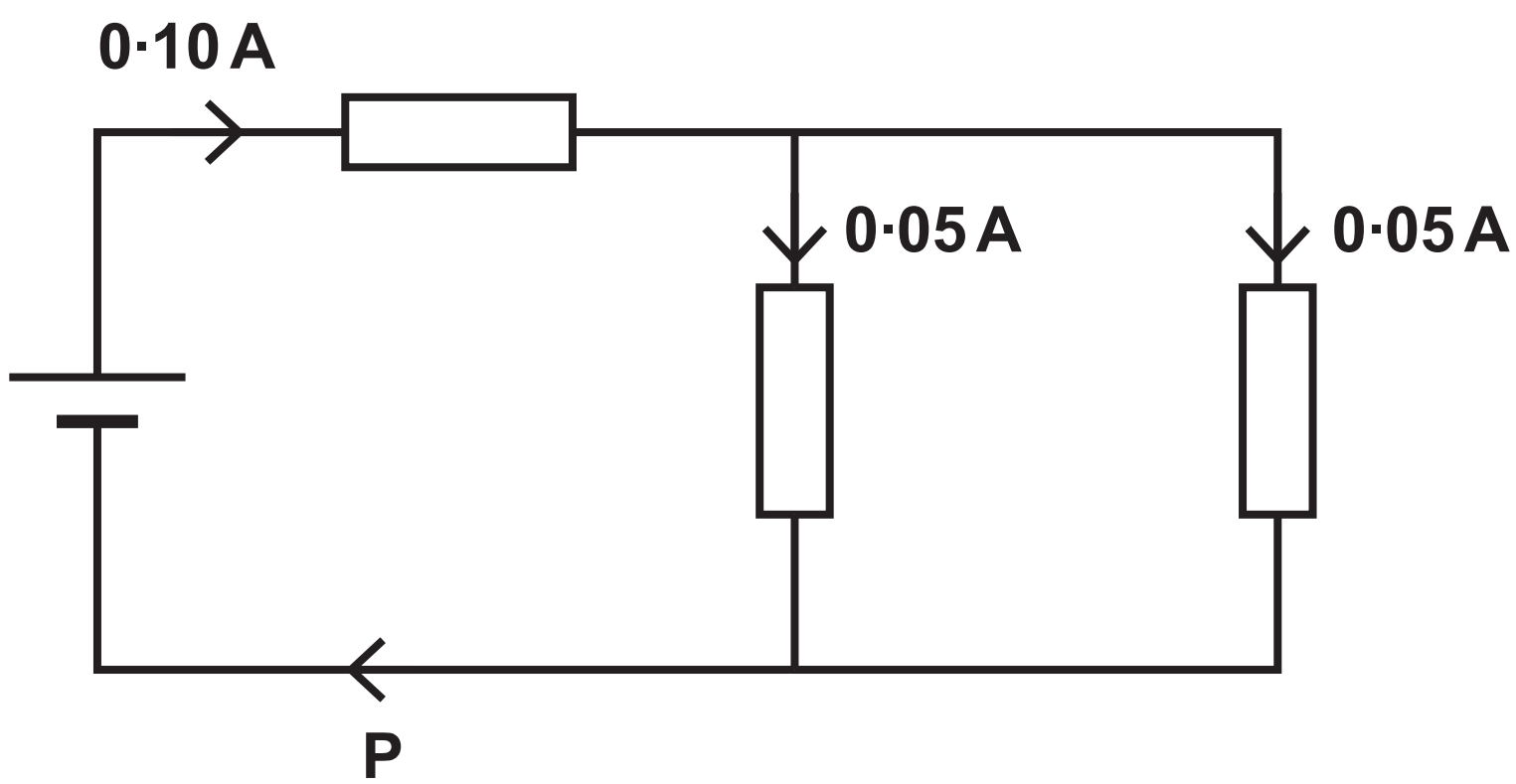
Question 4(a)

FIGURE 9

mass of milk	0·82 kg
starting temperature of milk	10 °C
final temperature of milk	40 °C
change in thermal energy of milk	96 000 J

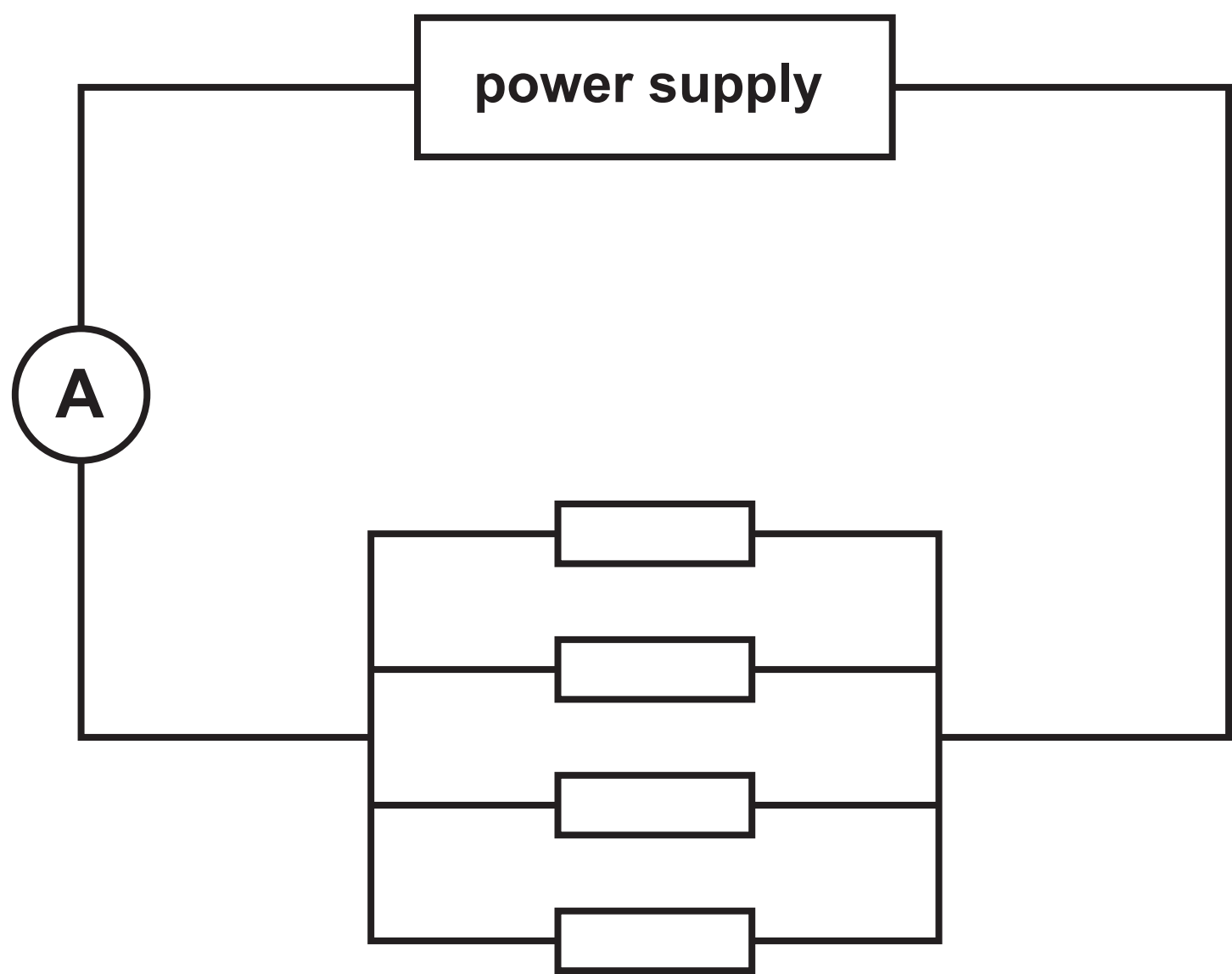
Question 5(a)

FIGURE 10



Question 5(b)(i)

FIGURE 11



Question 5(b)(ii)

FIGURE 12

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 6(b)

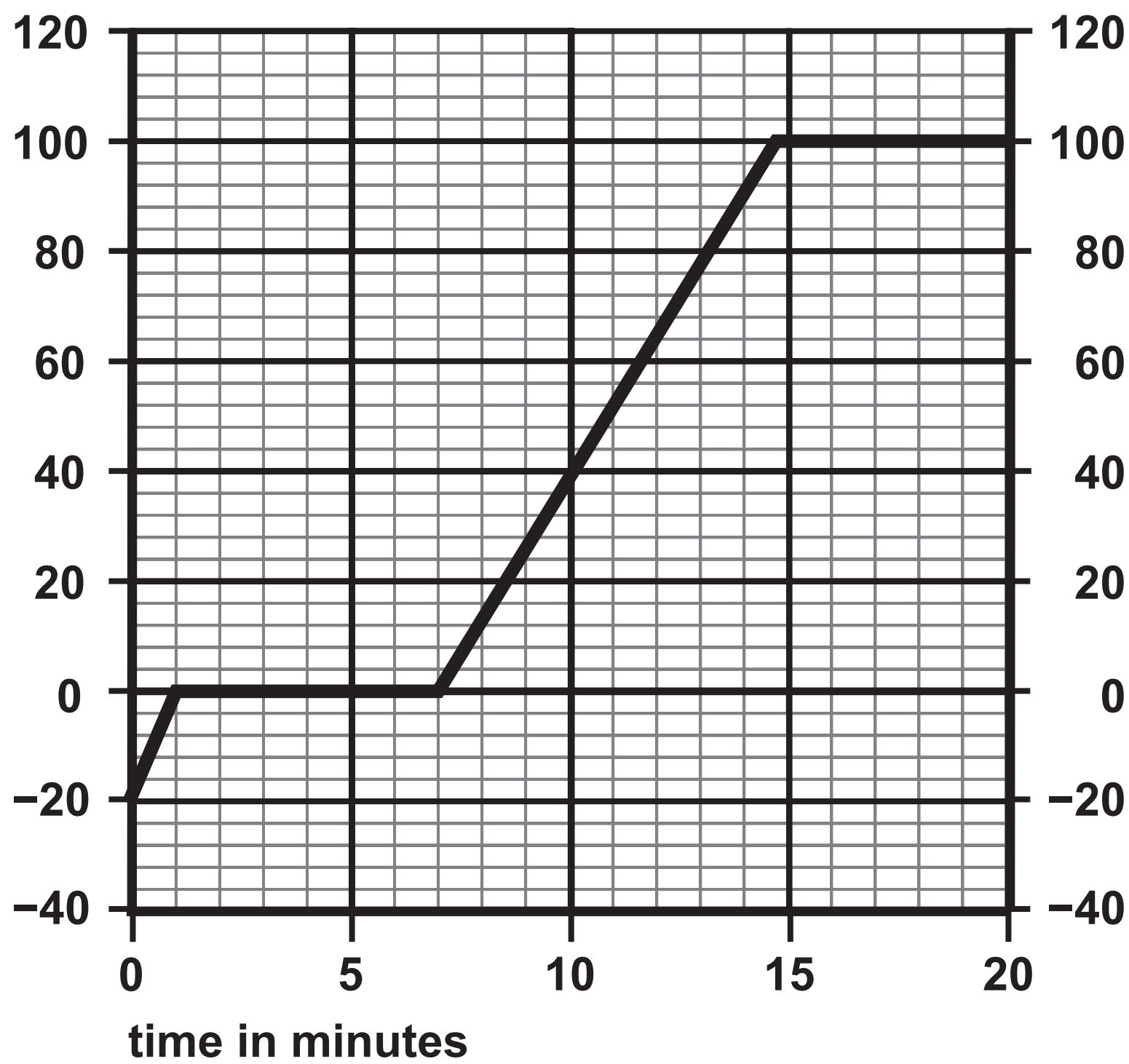
FIGURE 13

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

Question 6(d)

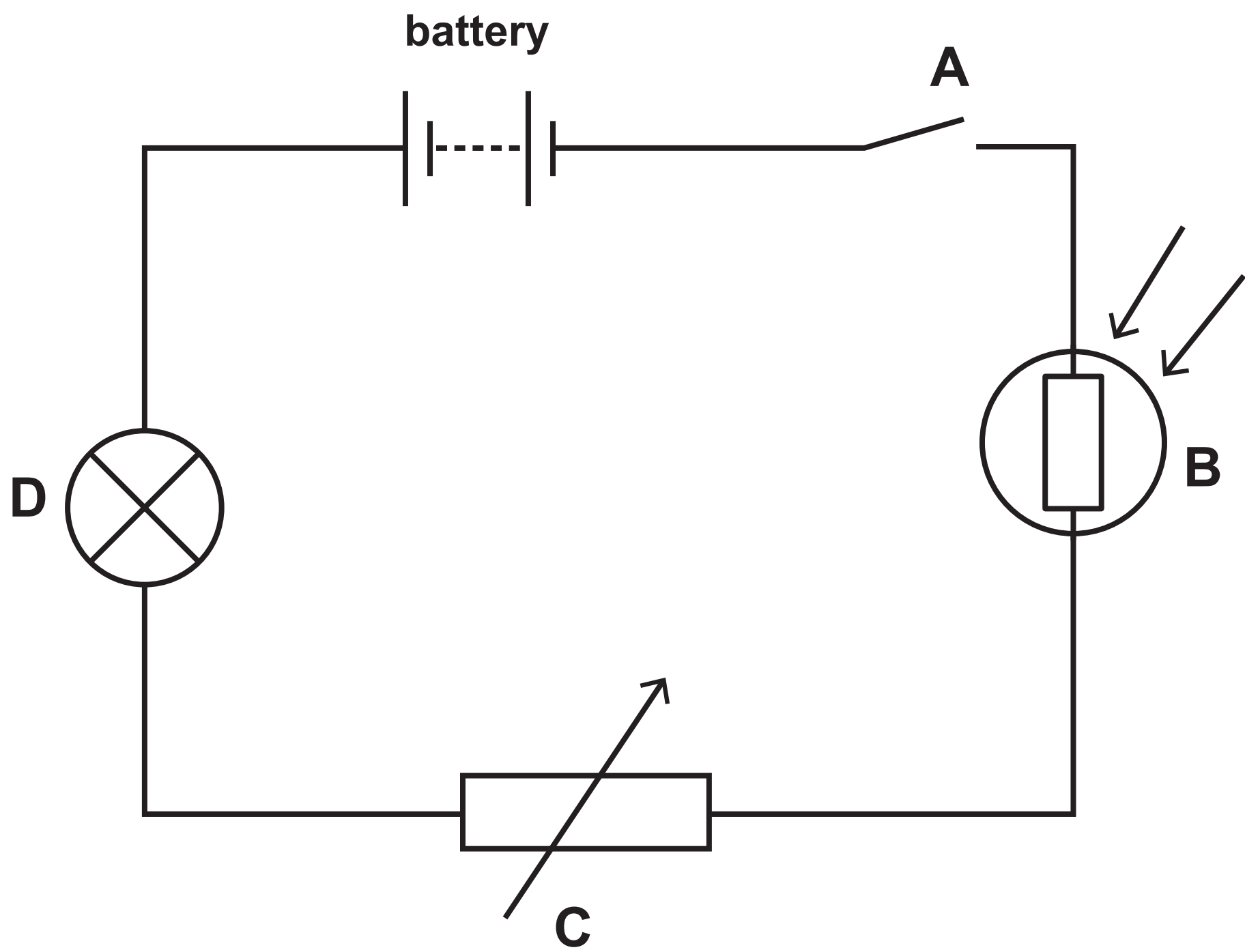
FIGURE 14

temperature in °C



Question 1(a)

FIGURE 1



A _____

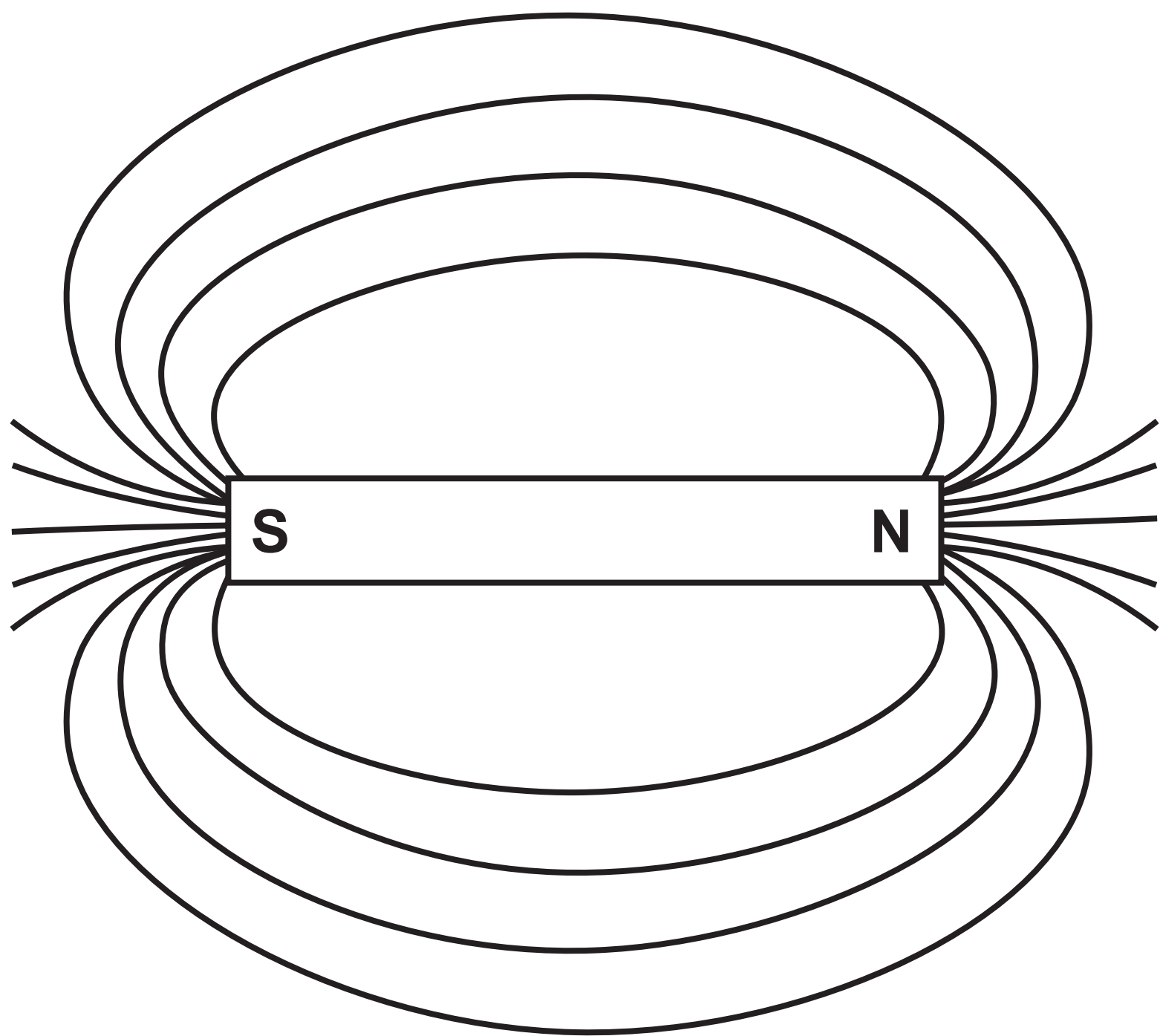
B _____

C _____

D _____

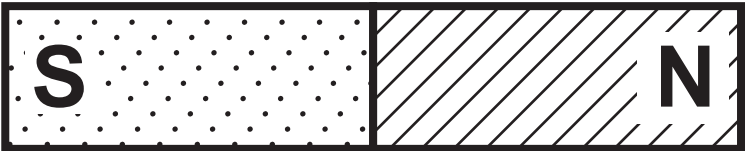
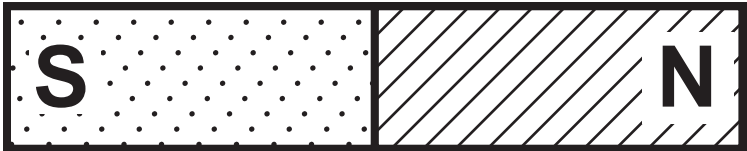
Question 2(a)

FIGURE 2



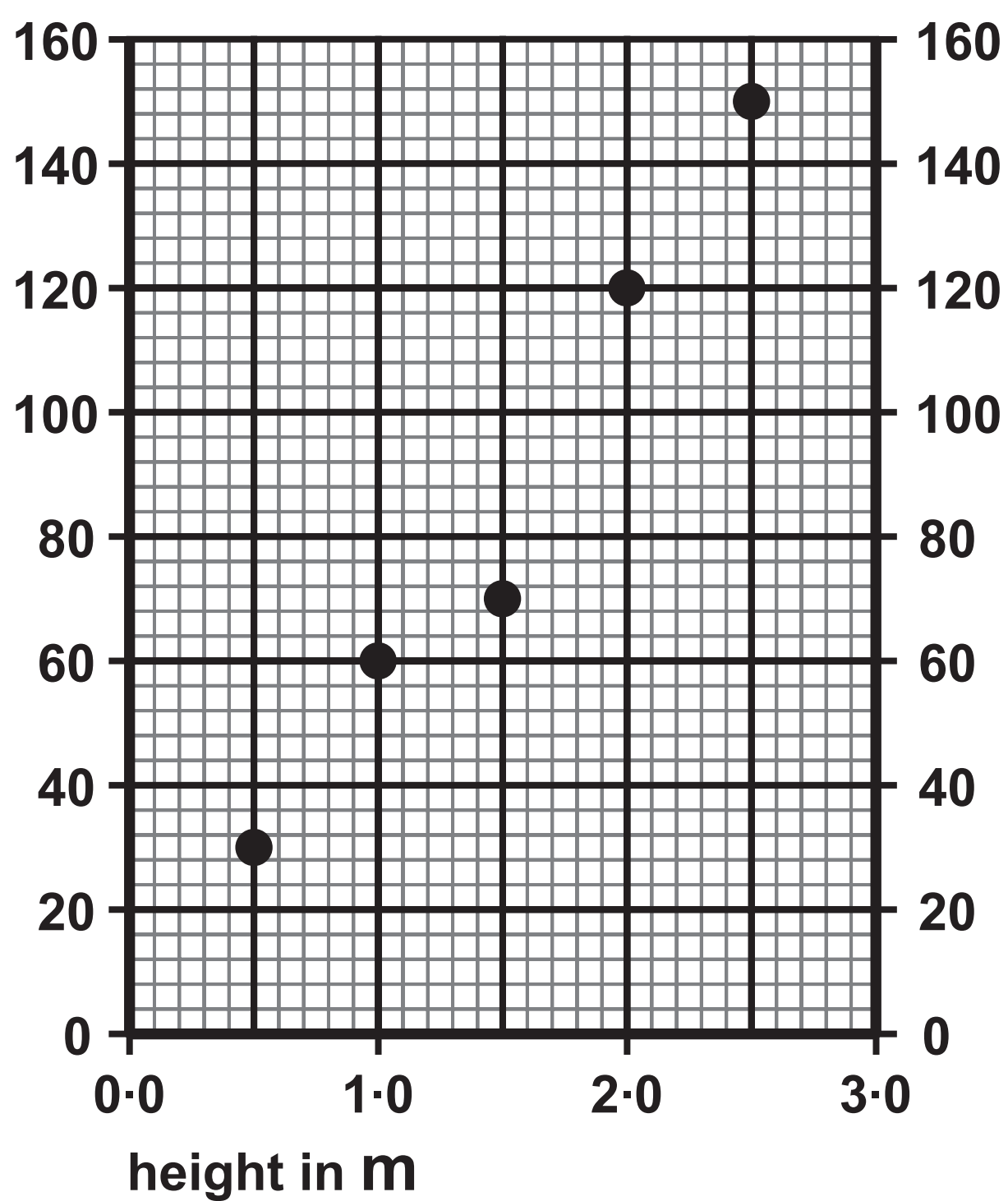
Question 2(b)

FIGURE 3



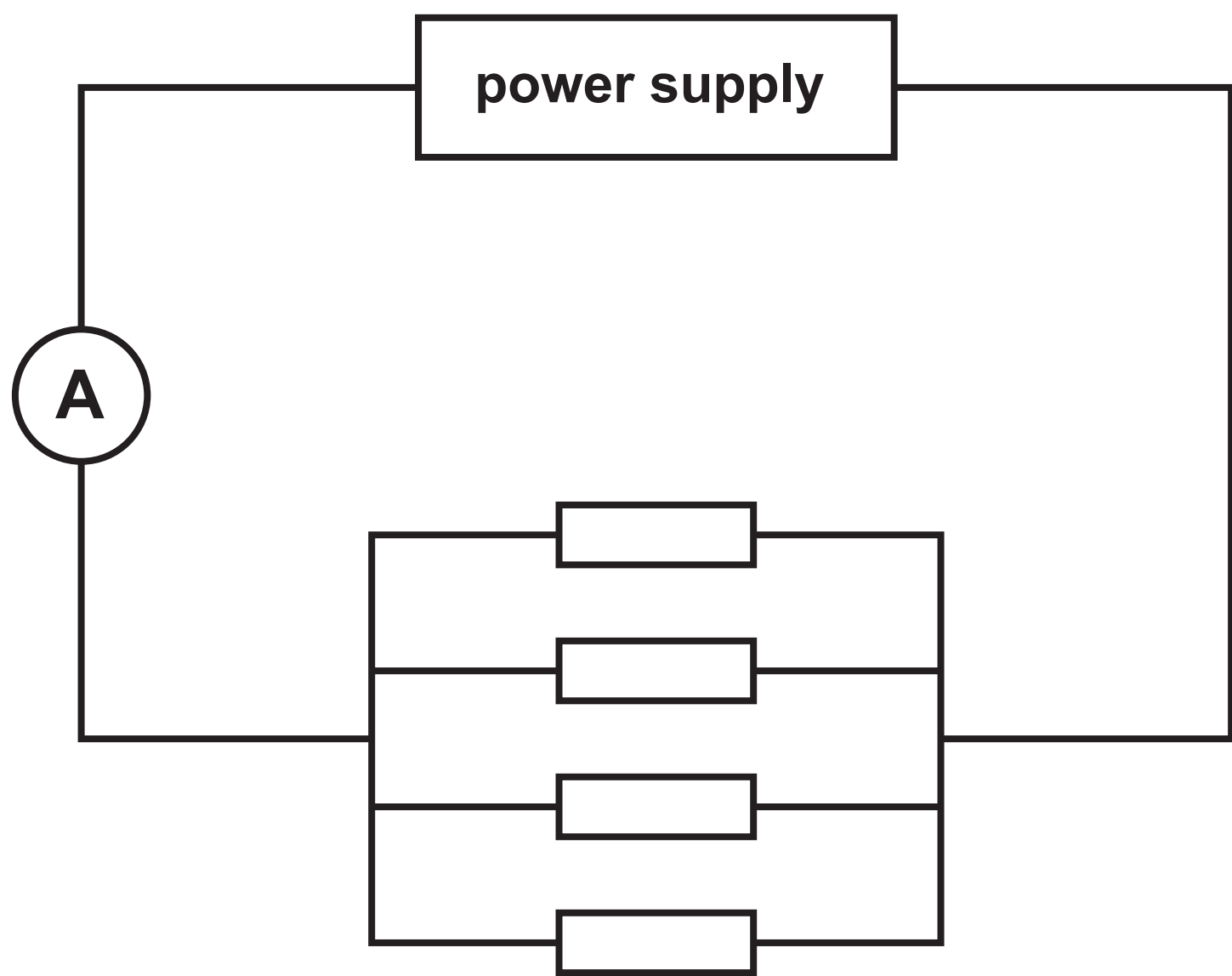
Question 3(c) – FIGURE 7

FIGURE 7

 ΔGPE in J

Question 5(b)(i)

FIGURE 11



Question 5(b)(ii)

FIGURE 12

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

Source information:

Question 4

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