

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

Combined Science
PAPER 6
Higher 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					
Other names					
Centre Number					
Candidate Number					

INSTRUCTIONS

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

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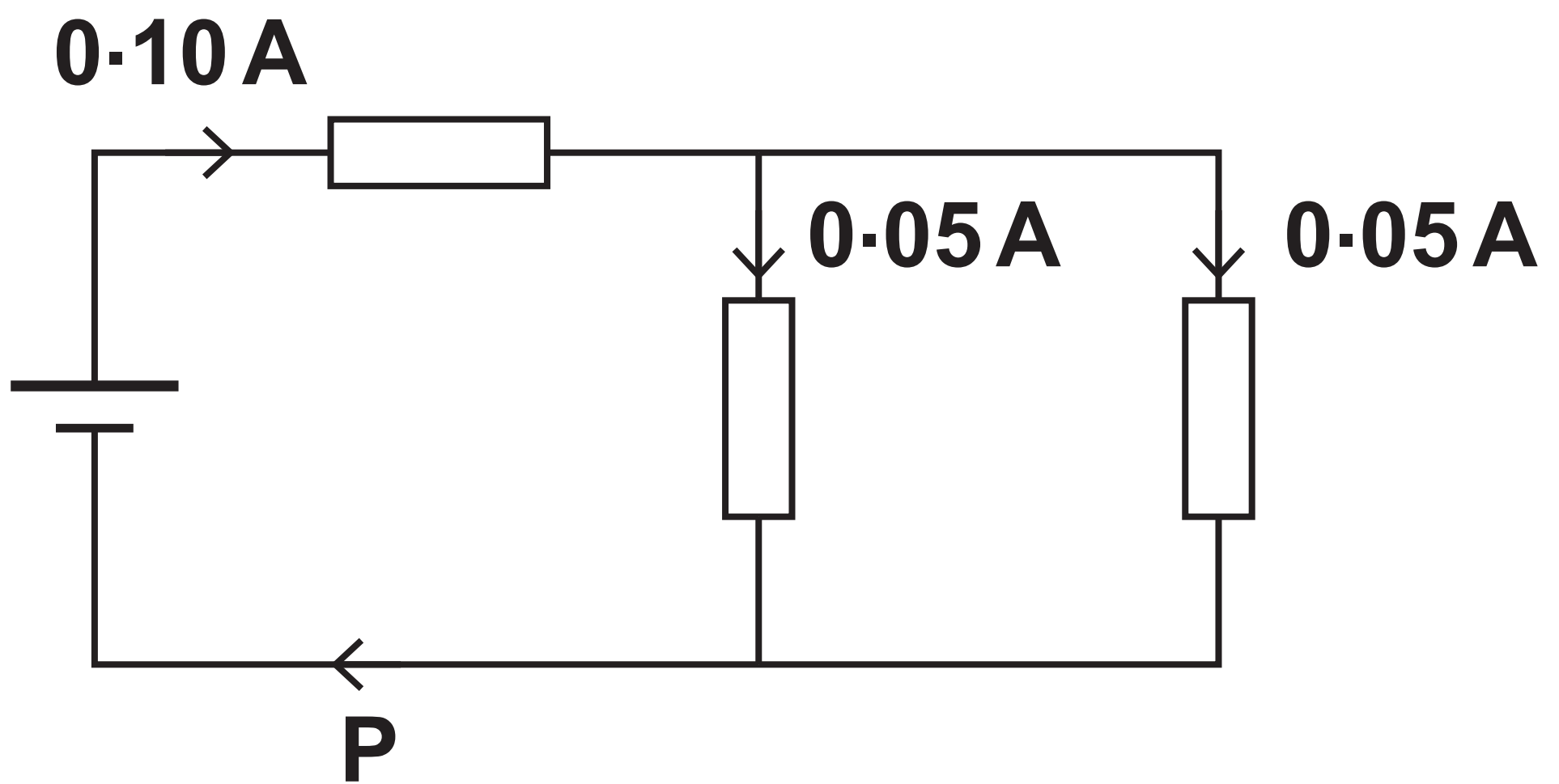
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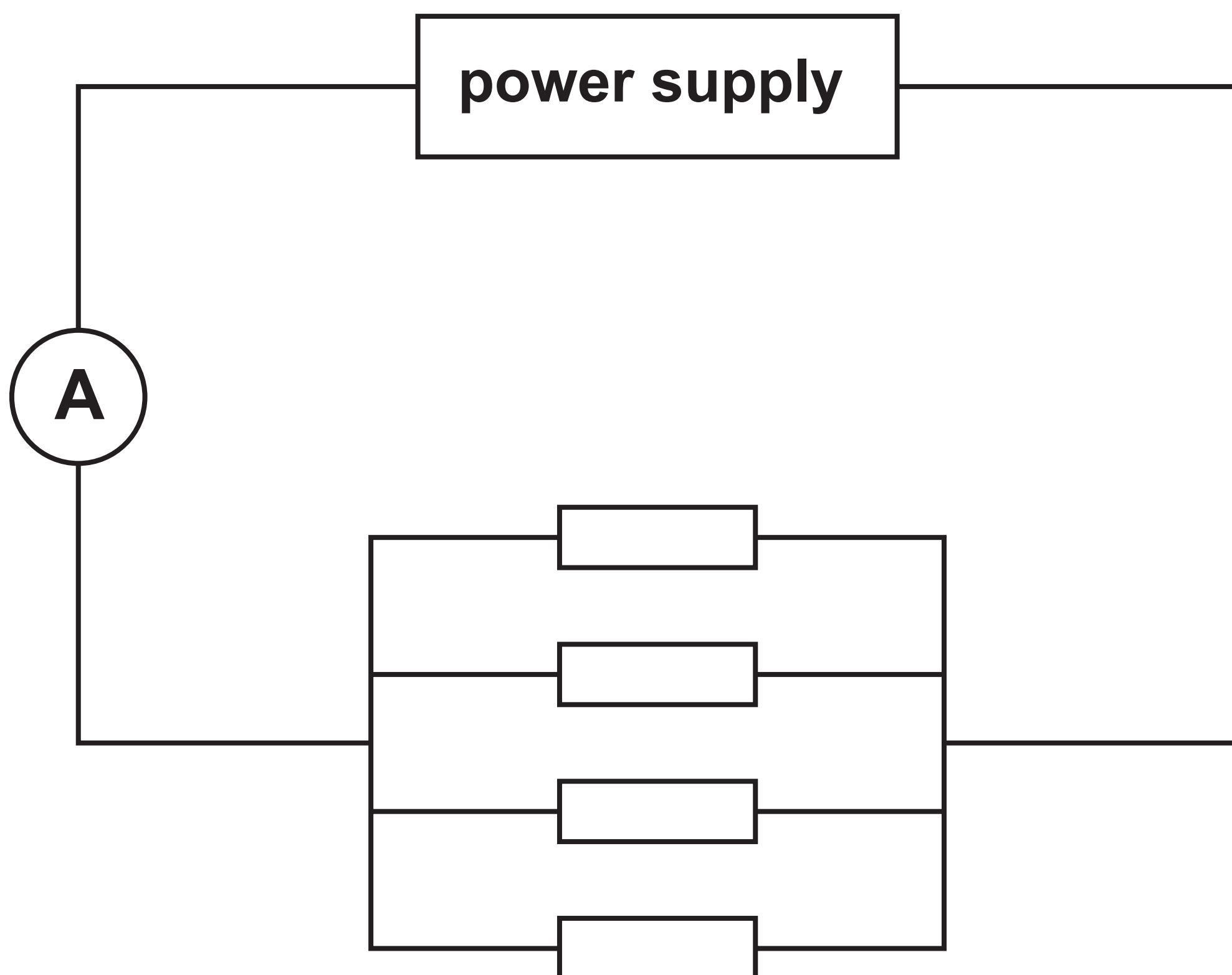
Question 1(a)

FIGURE 1



Question 1(b)

FIGURE 2



Question 1(b)

FIGURE 3

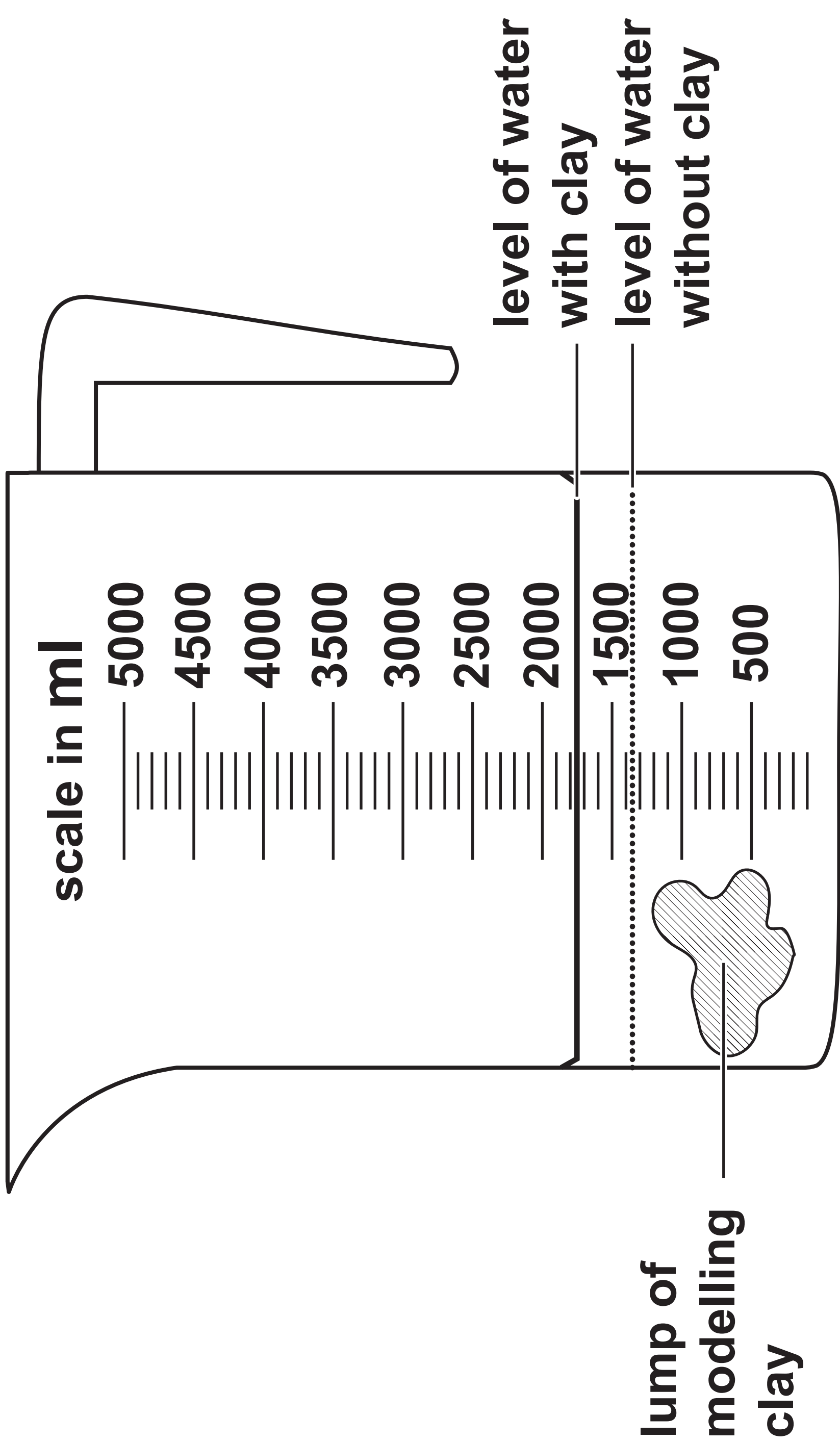
number of resistors	current in mA	voltage in V
4		6.00
3	27.3	6.00
2	18.2	6.00
1	9.1	6.00

Question 2(b)

FIGURE 4

	density in g/cm³
solid aluminium	2.70
liquid aluminium	2.38

FIGURE 5



Question 3(a)

FIGURE 6

not to scale

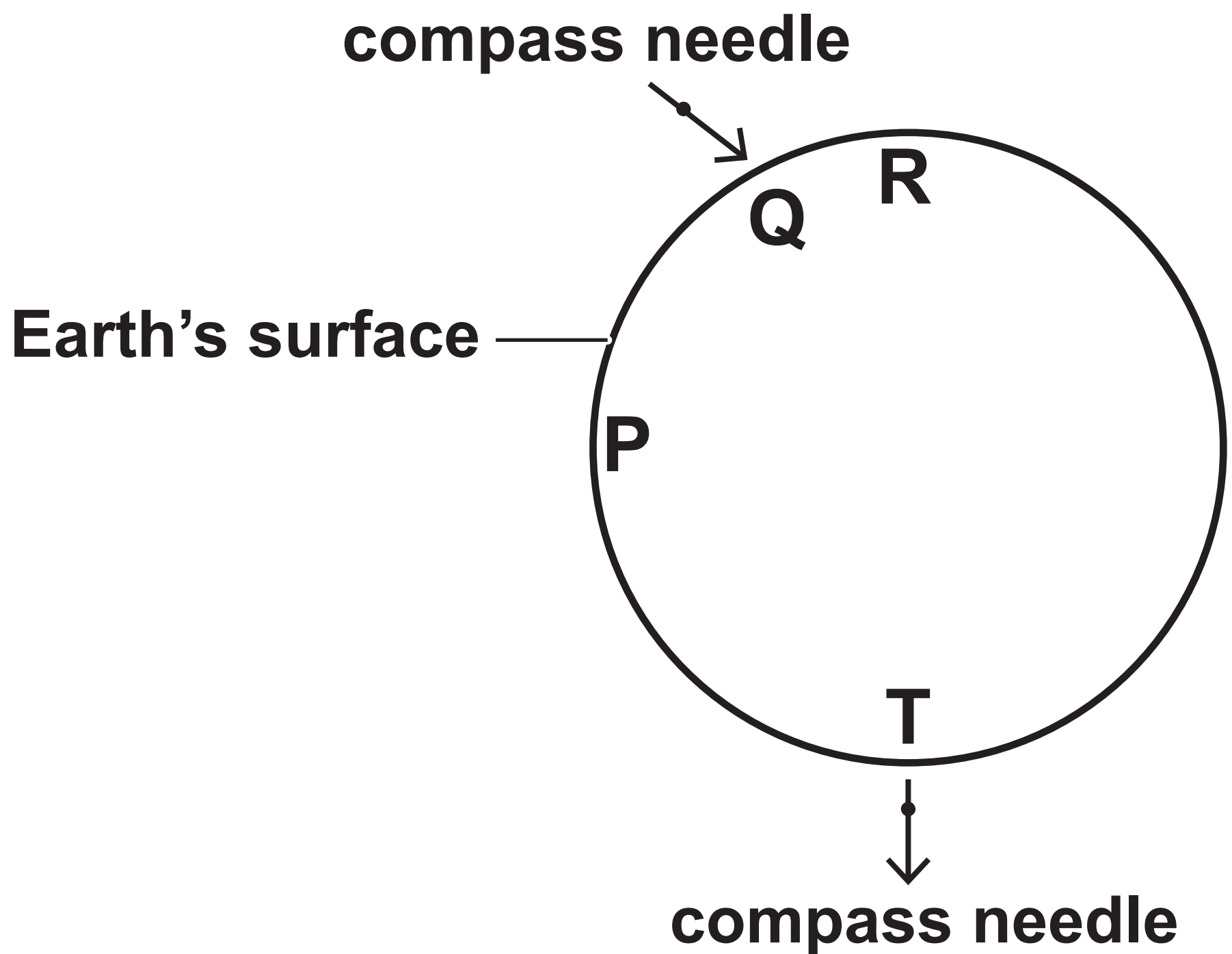
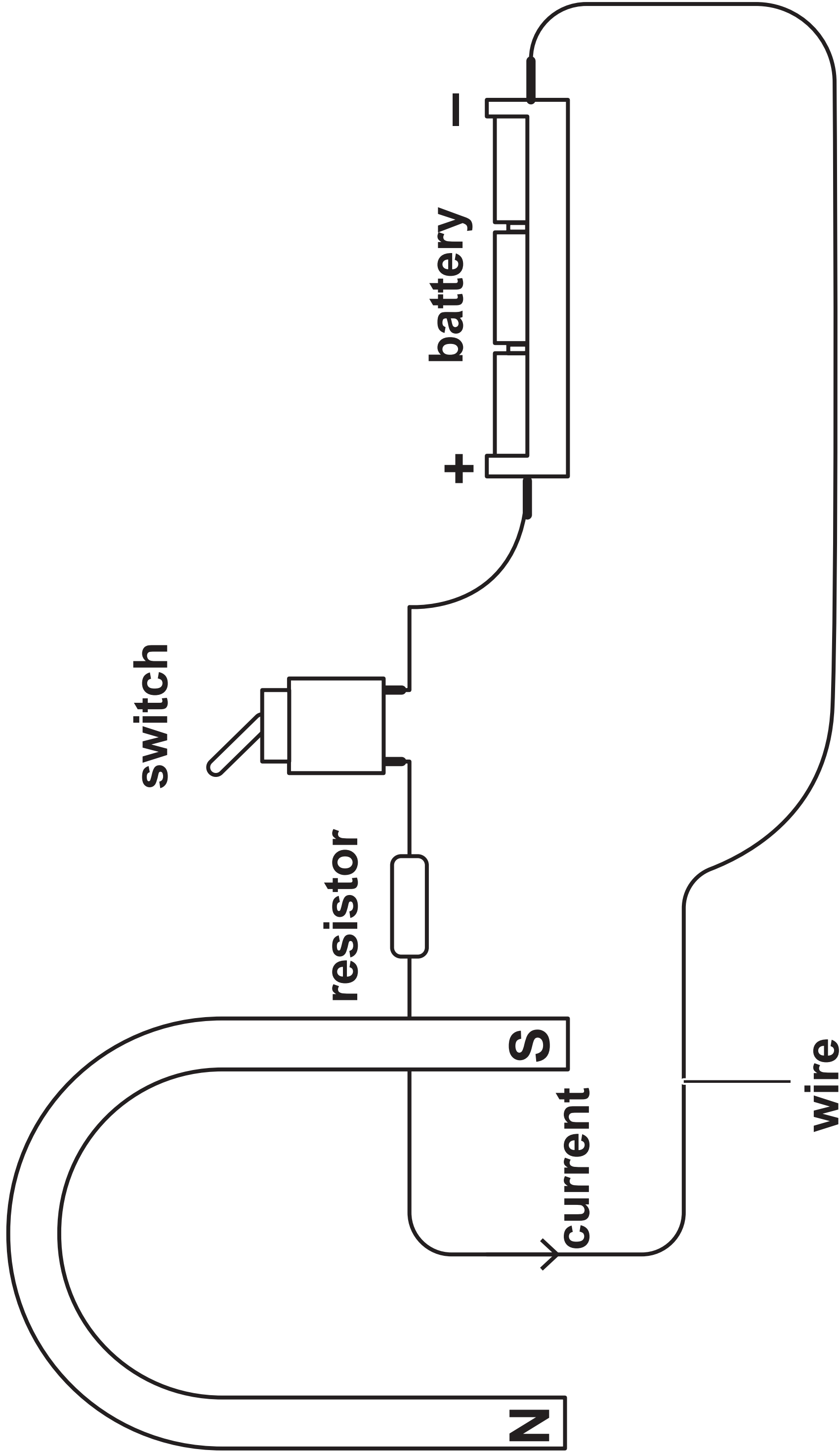
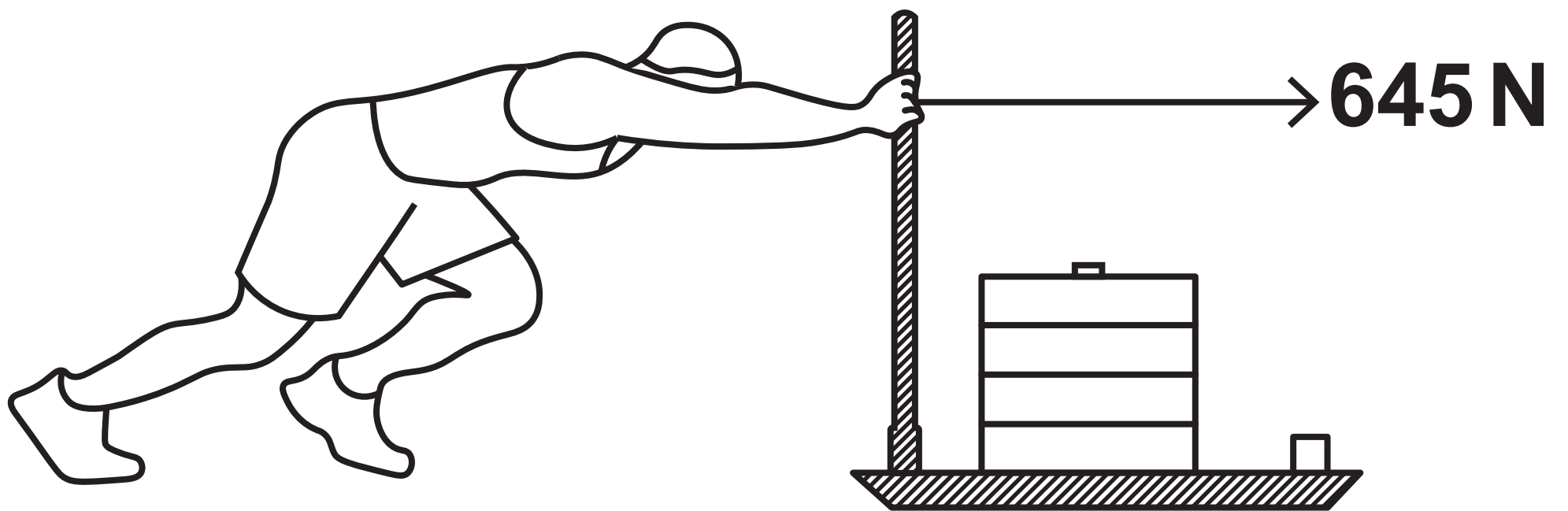


FIGURE 7



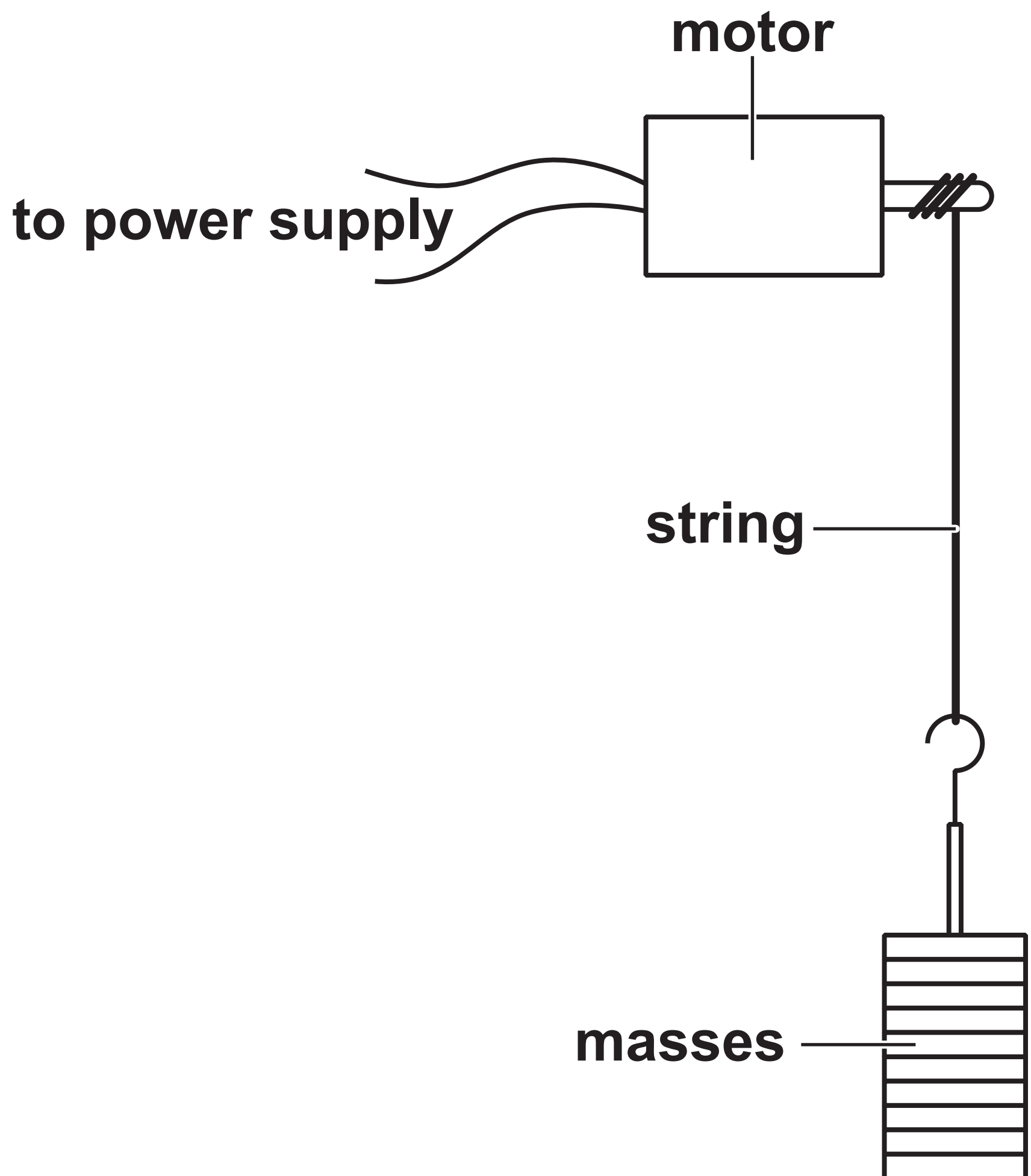
Question 4(a)

FIGURE 8



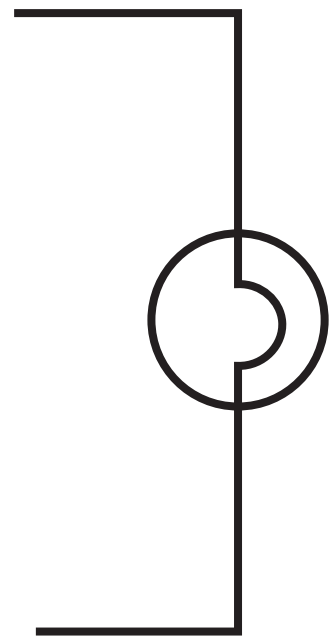
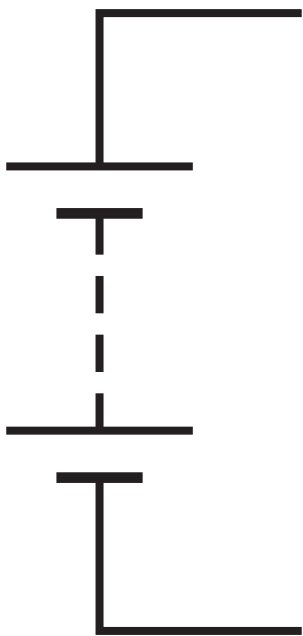
Question 4(b)

FIGURE 9



Question 5(a)

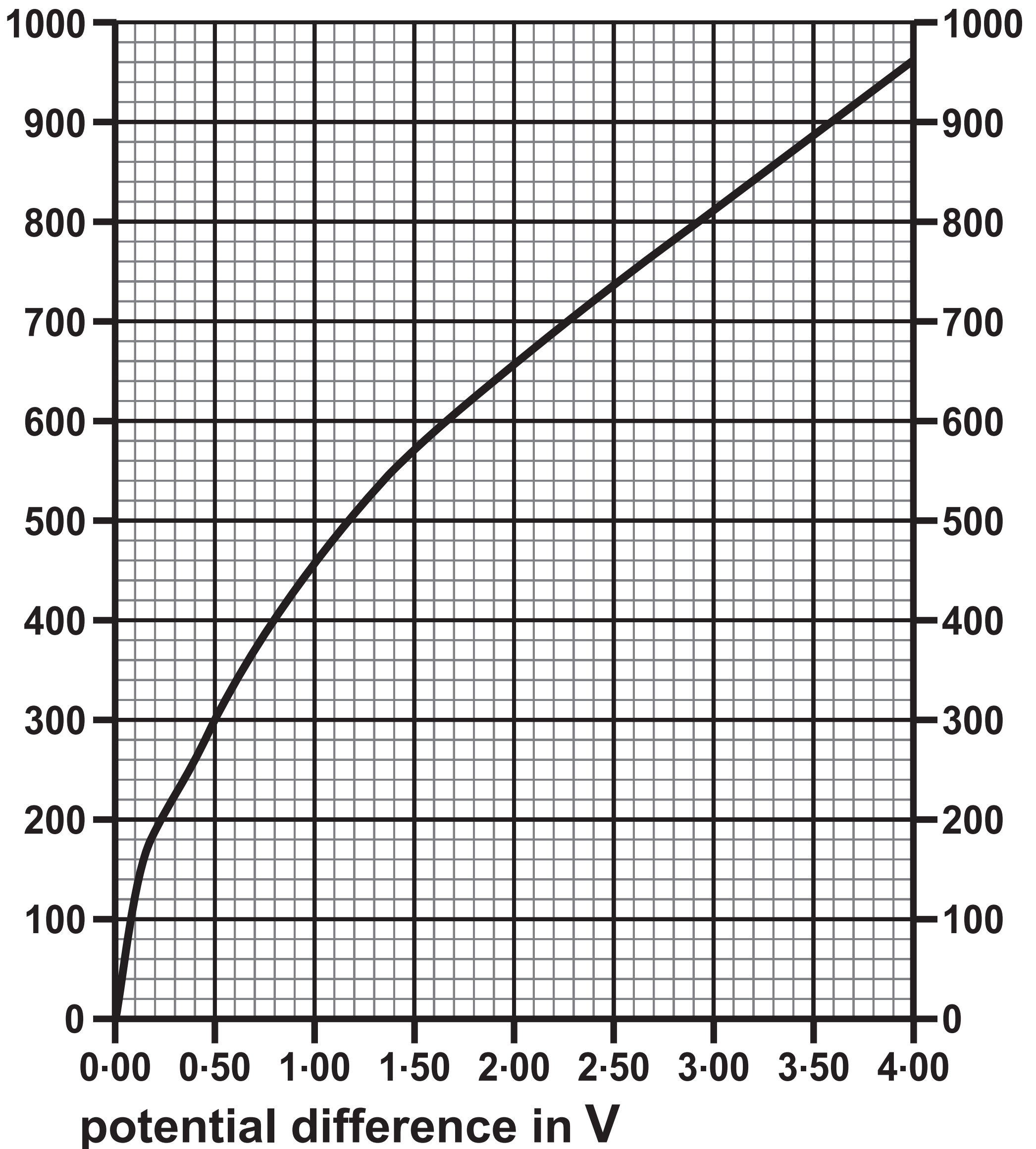
FIGURE 10



Question 5(b)

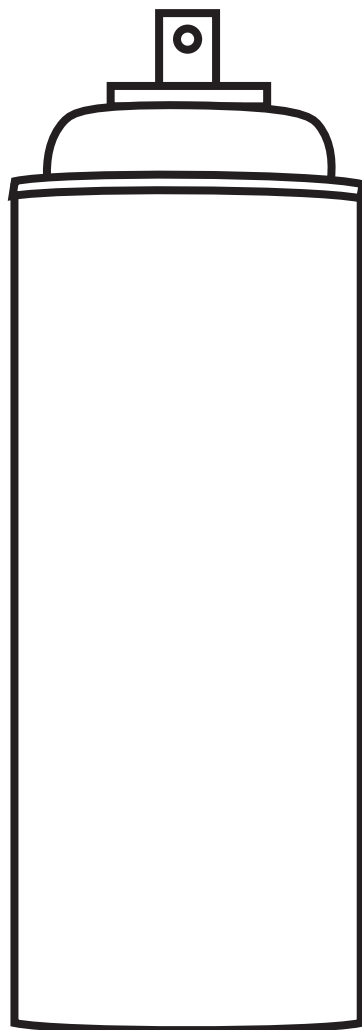
FIGURE 11

current in mA



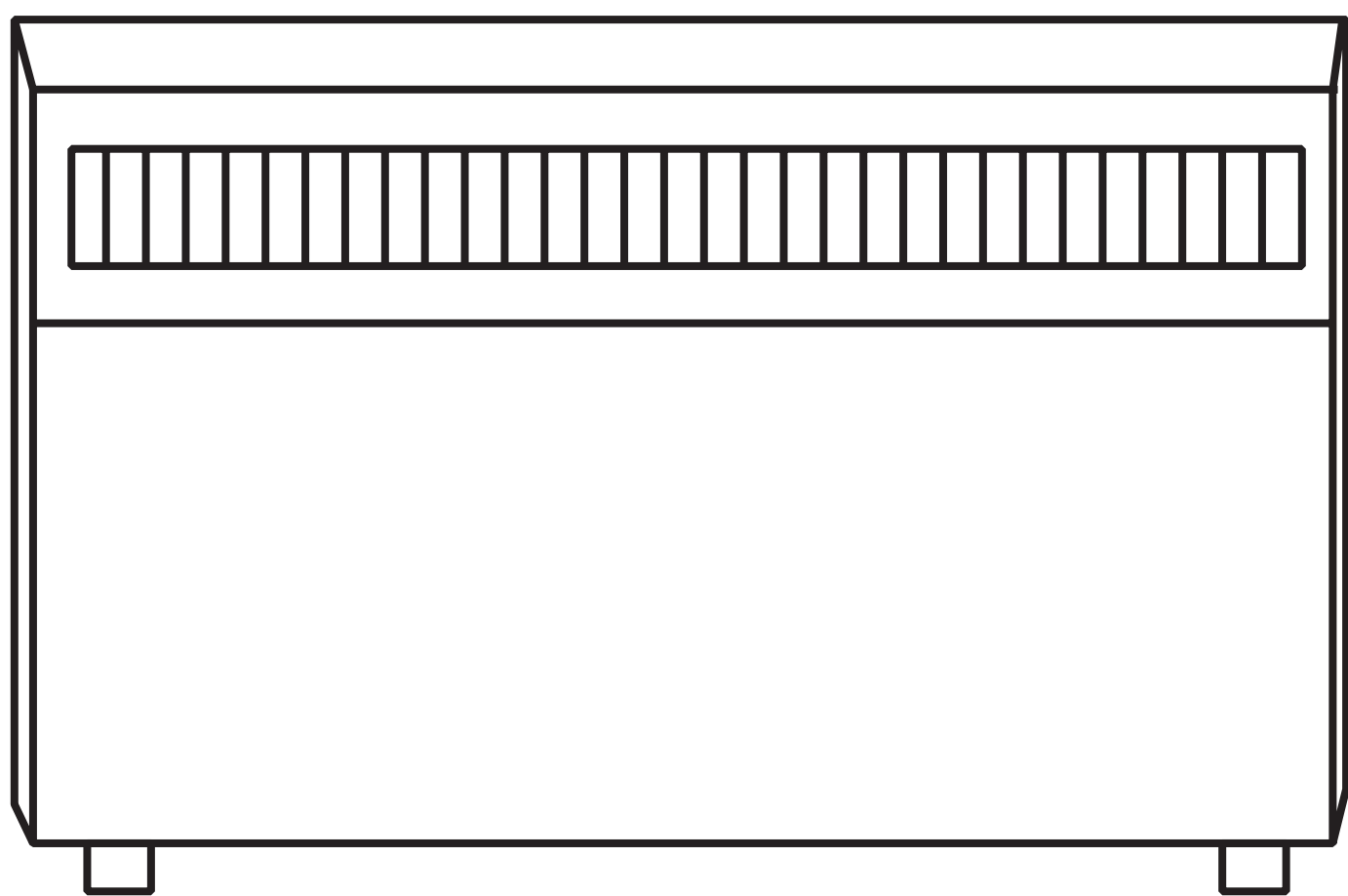
Question 6(b)

FIGURE 12



Question 6(c)

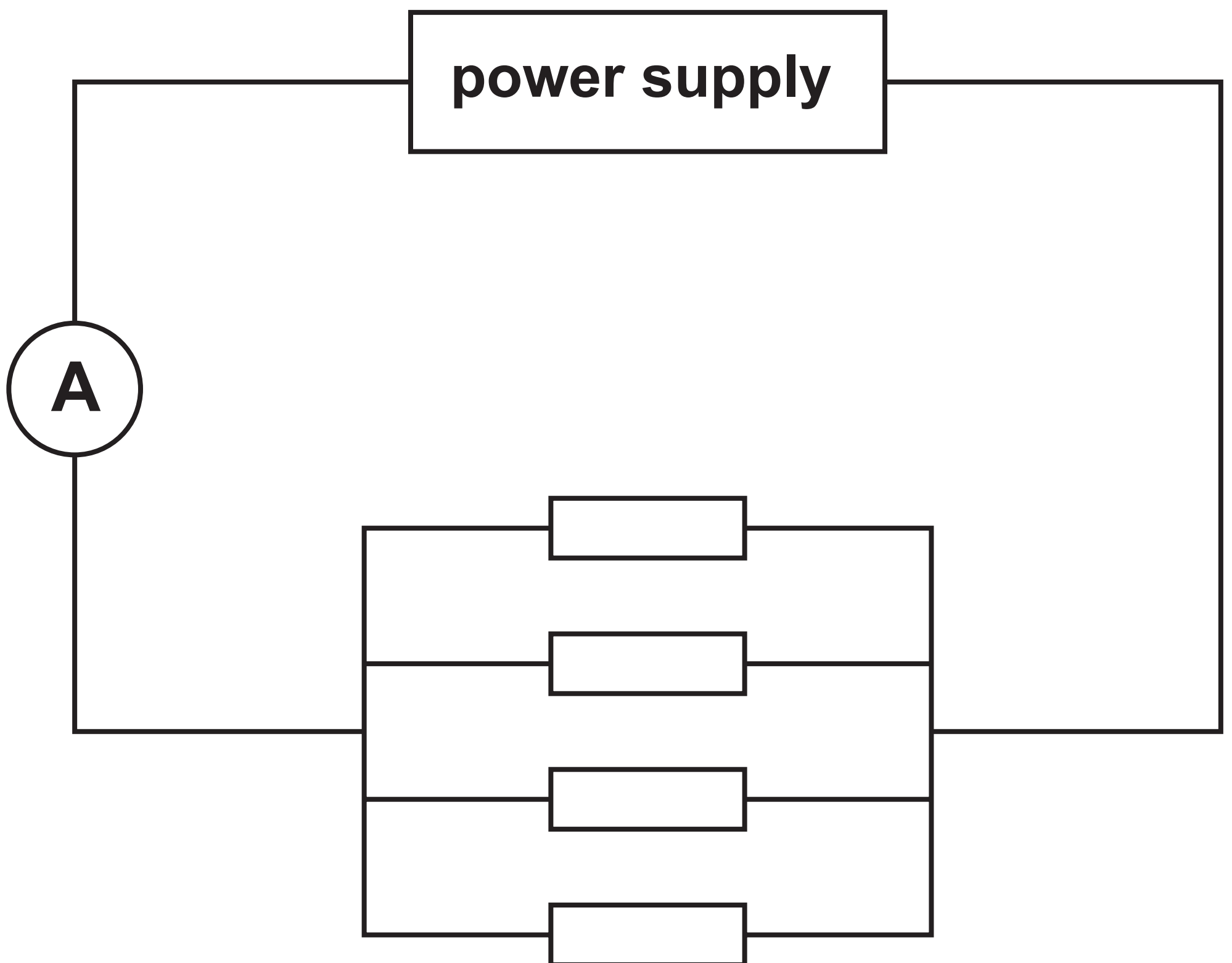
FIGURE 13



Question 6(d) – Blank page

Question 1(b)

FIGURE 2



Question 3(a)

FIGURE 6

not to scale

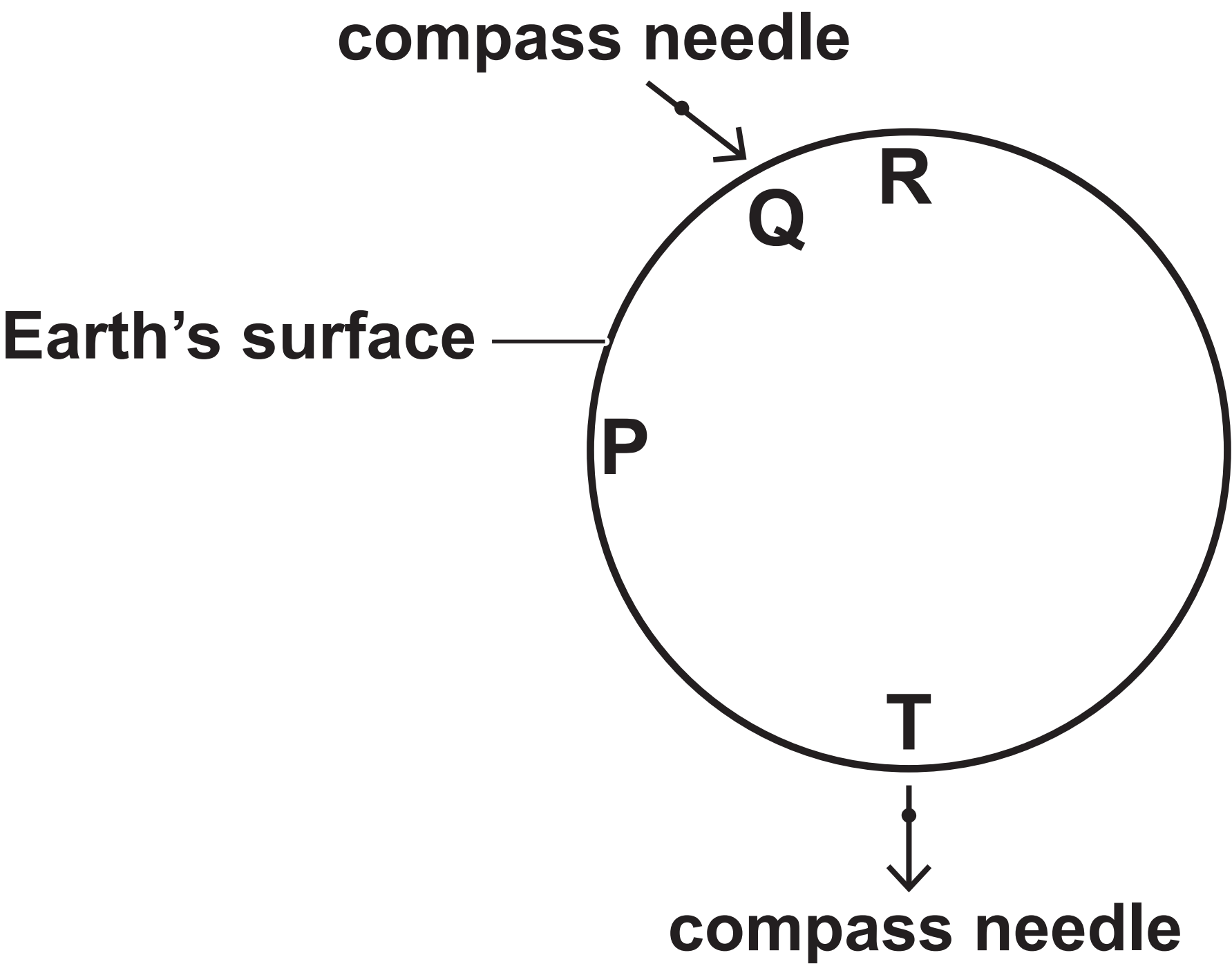
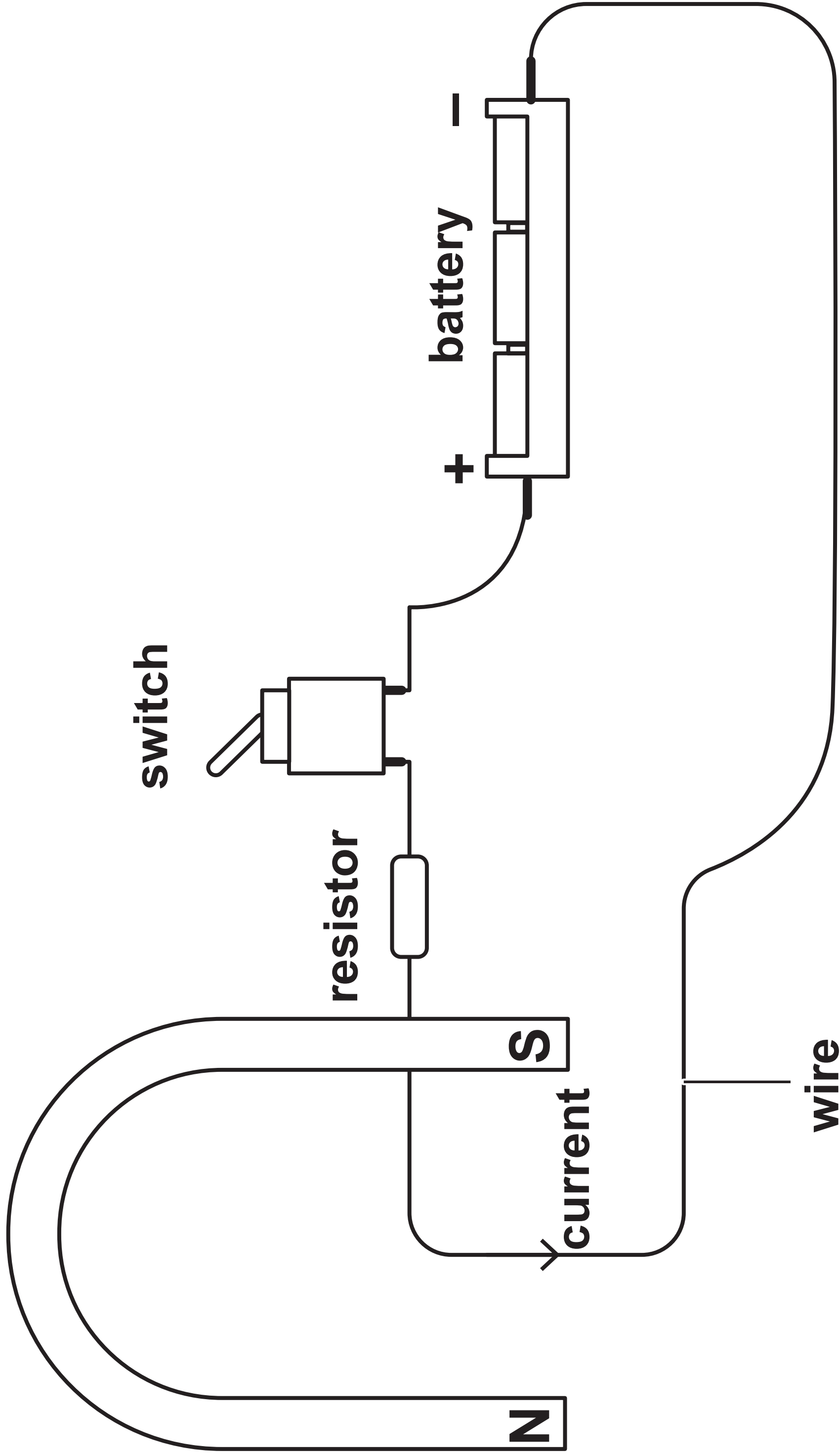
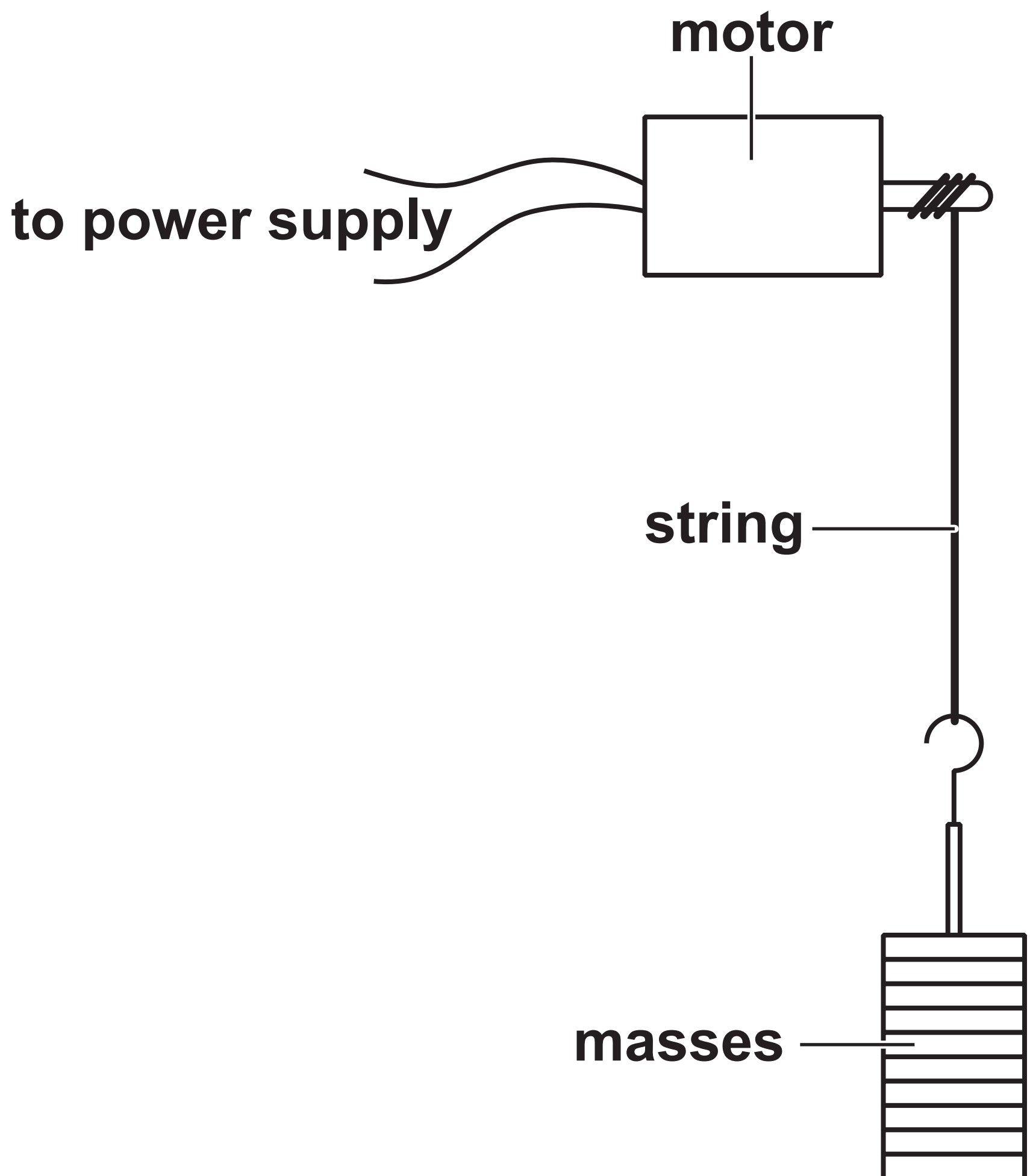


FIGURE 7



Question 4(b)

FIGURE 9



Question 5(a)

FIGURE 10



Question 6(d) – Blank page