

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

**Combined Science**  
**PAPER 6**  
**Higher Tier**

**Diagram Booklet**

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

<b>Surname</b>					
<b>Other names</b>					
<b>Centre Number</b>					
<b>Candidate Number</b>					

## **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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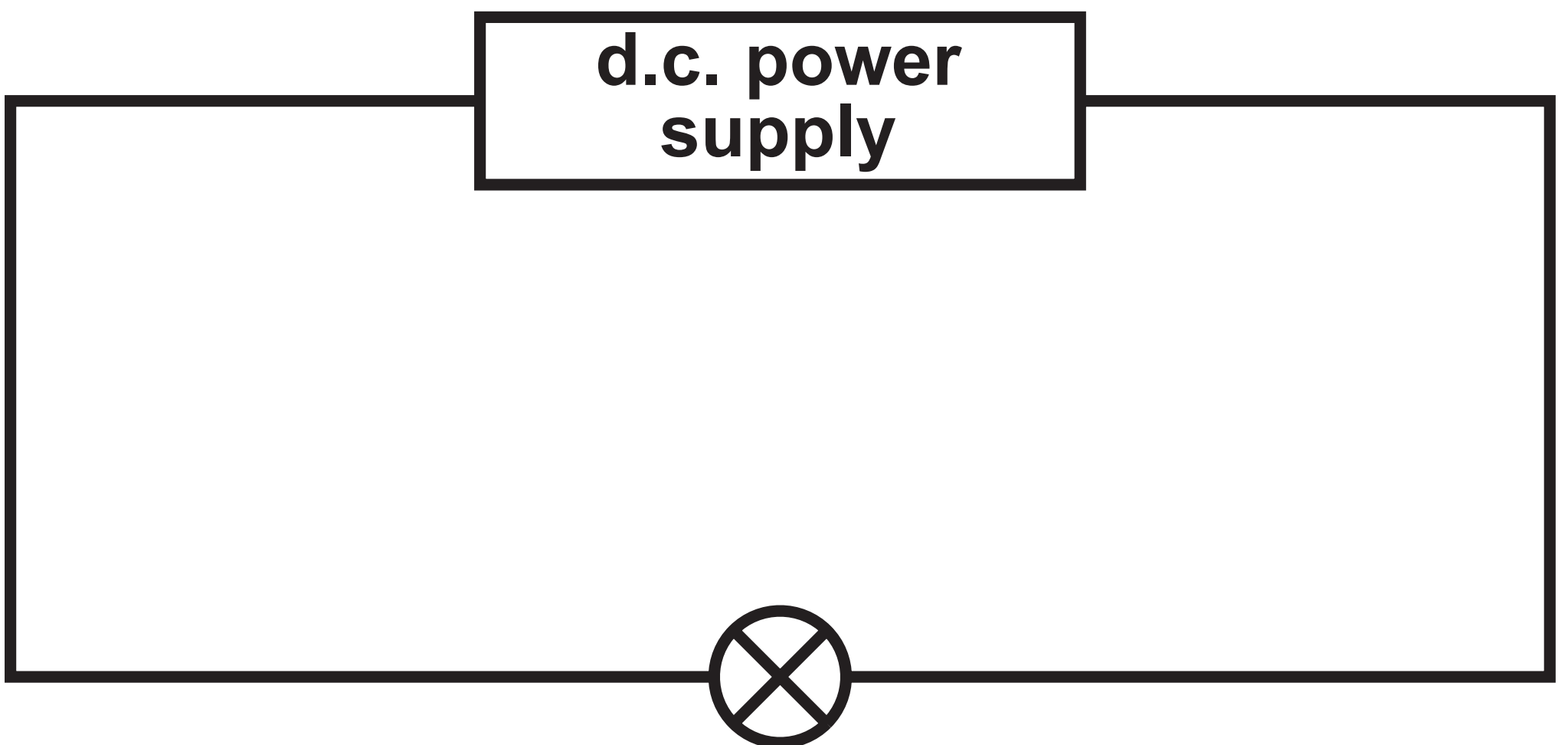
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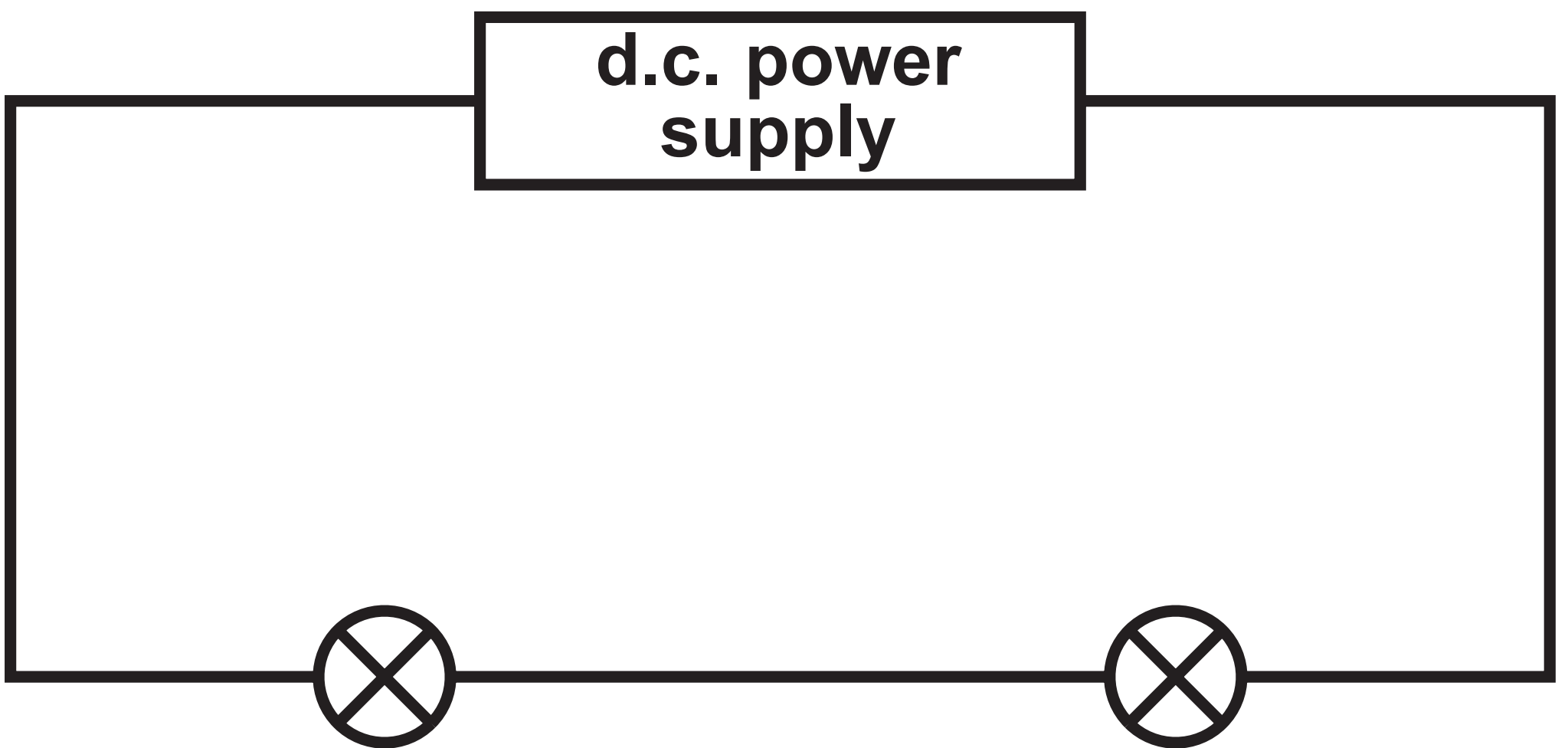
## Question 1(a)

**FIGURE 1**



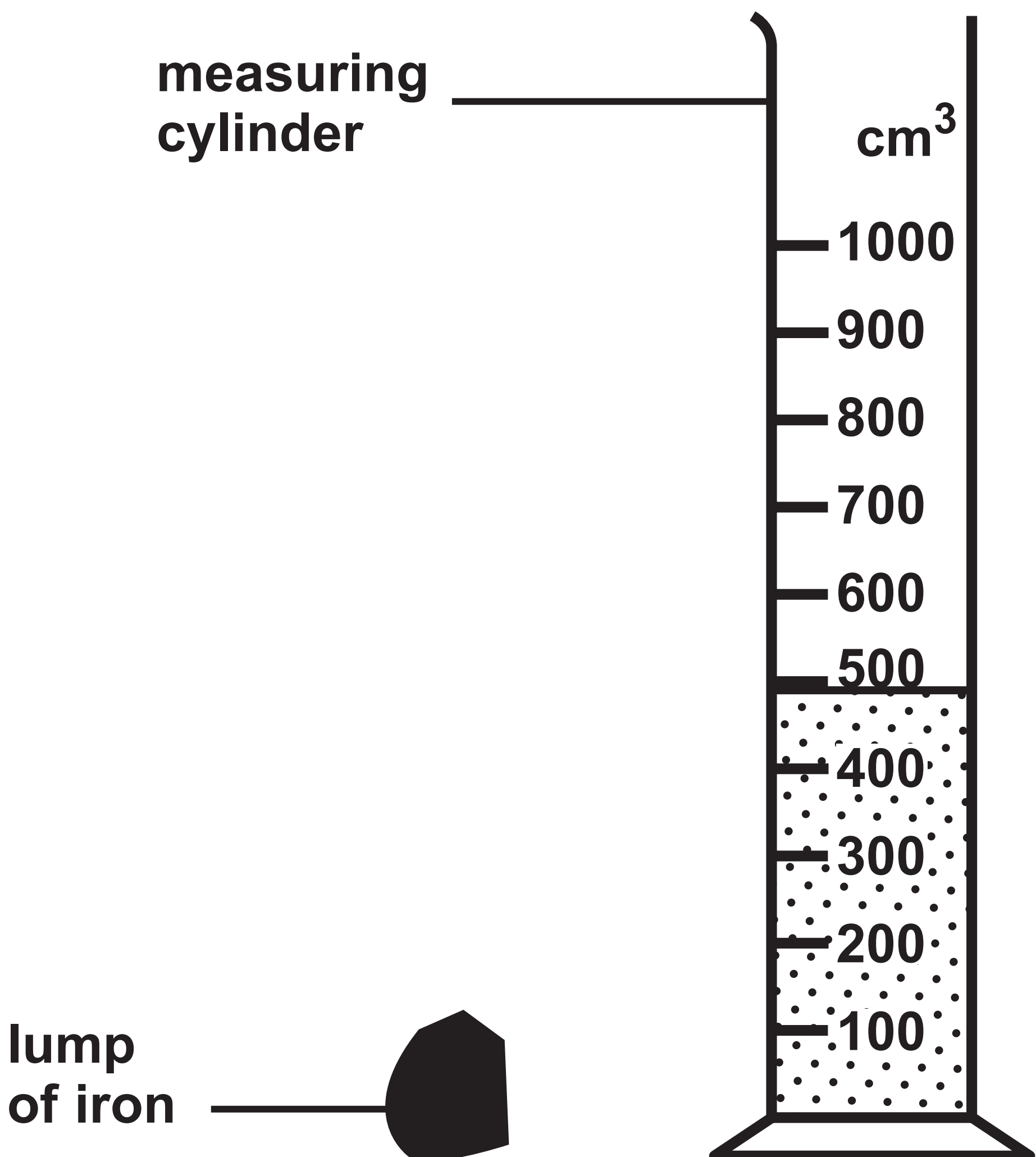
## Question 1(b)

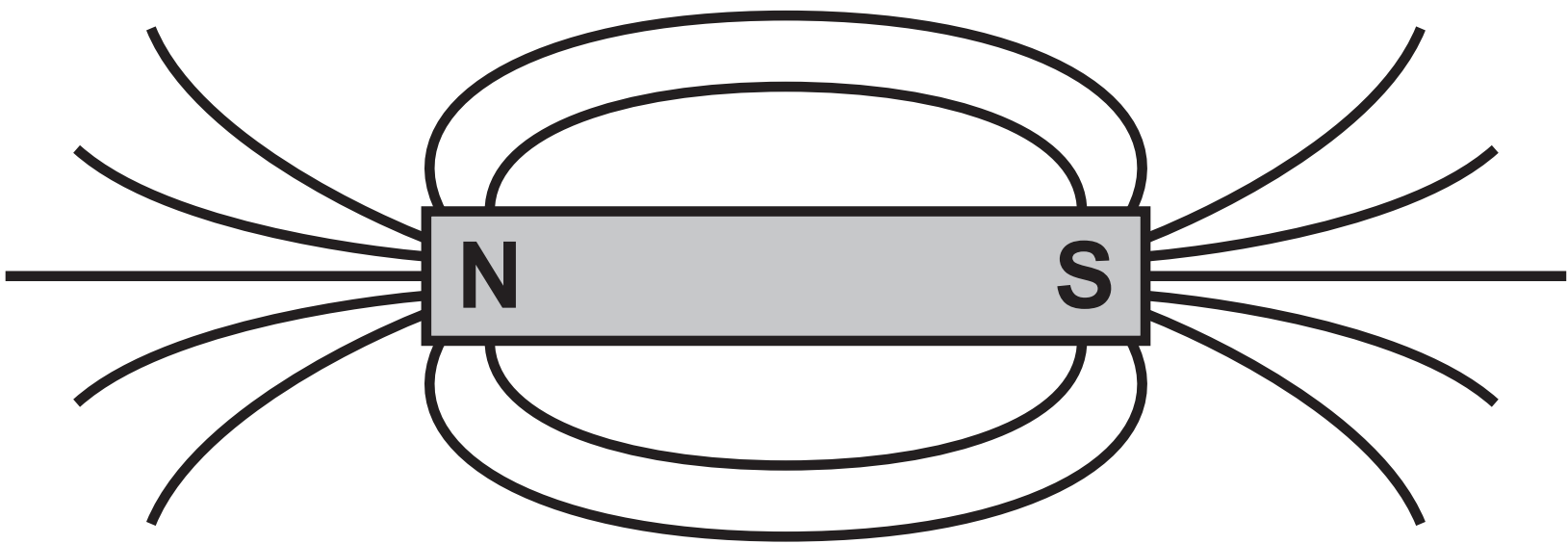
FIGURE 2



## Question 2(b)

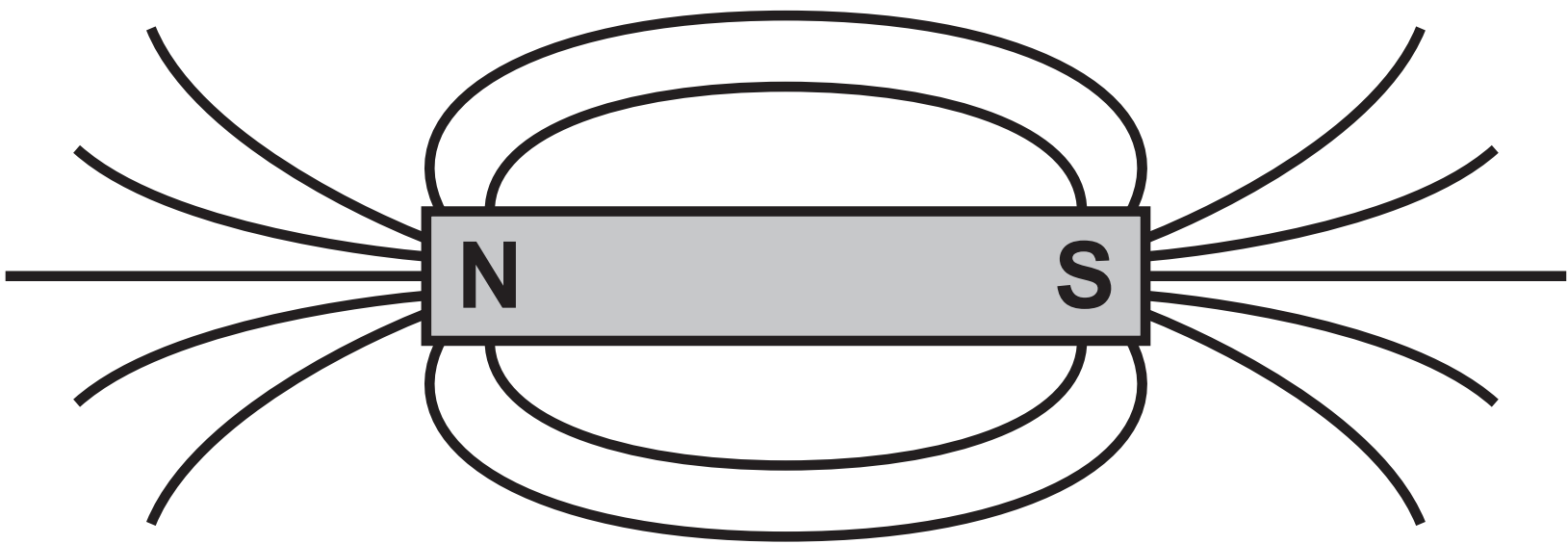
FIGURE 3



**Question 3(a)****FIGURE 4**

## Question 3(a)

FIGURE 4



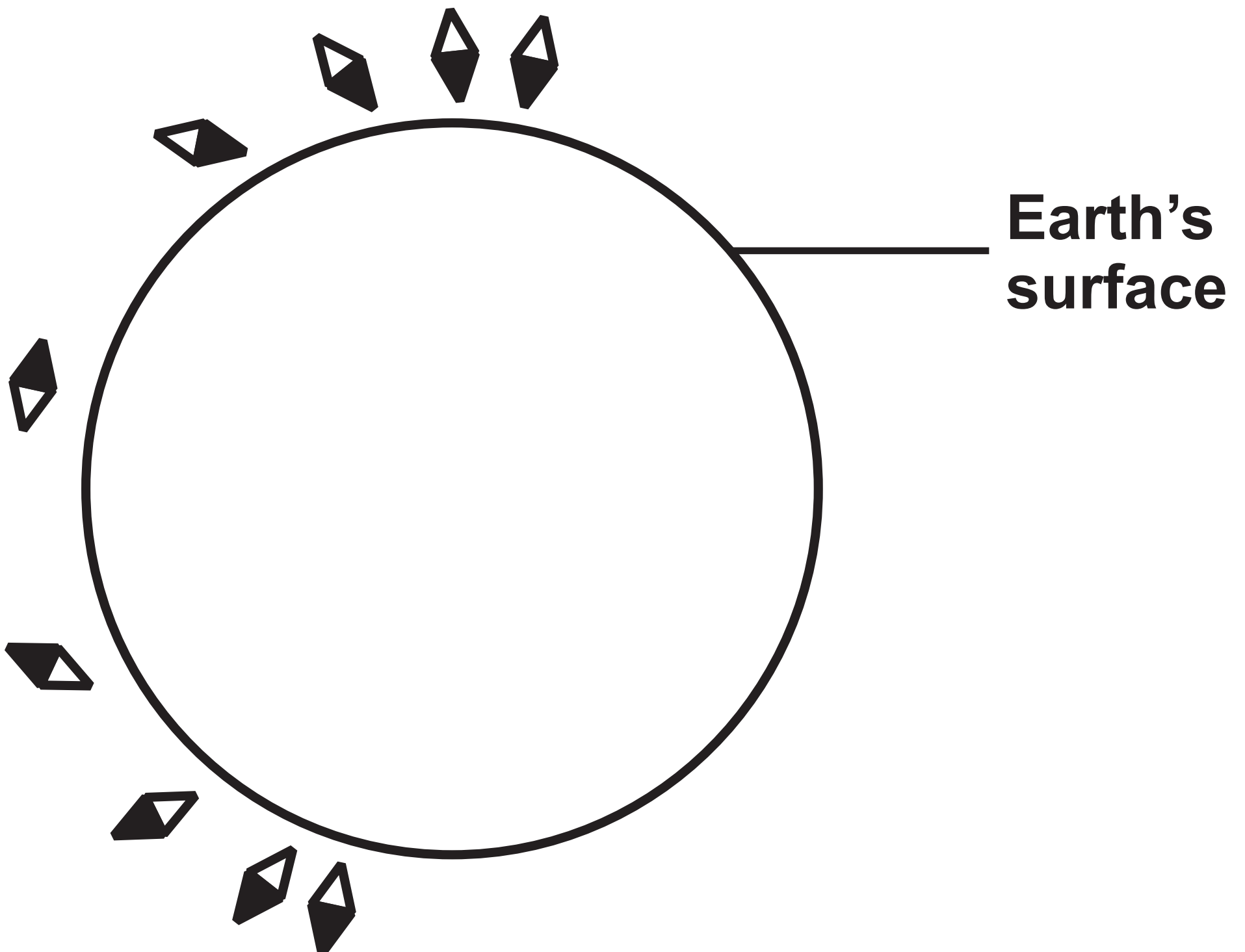


## Question 3(c)

FIGURE 5

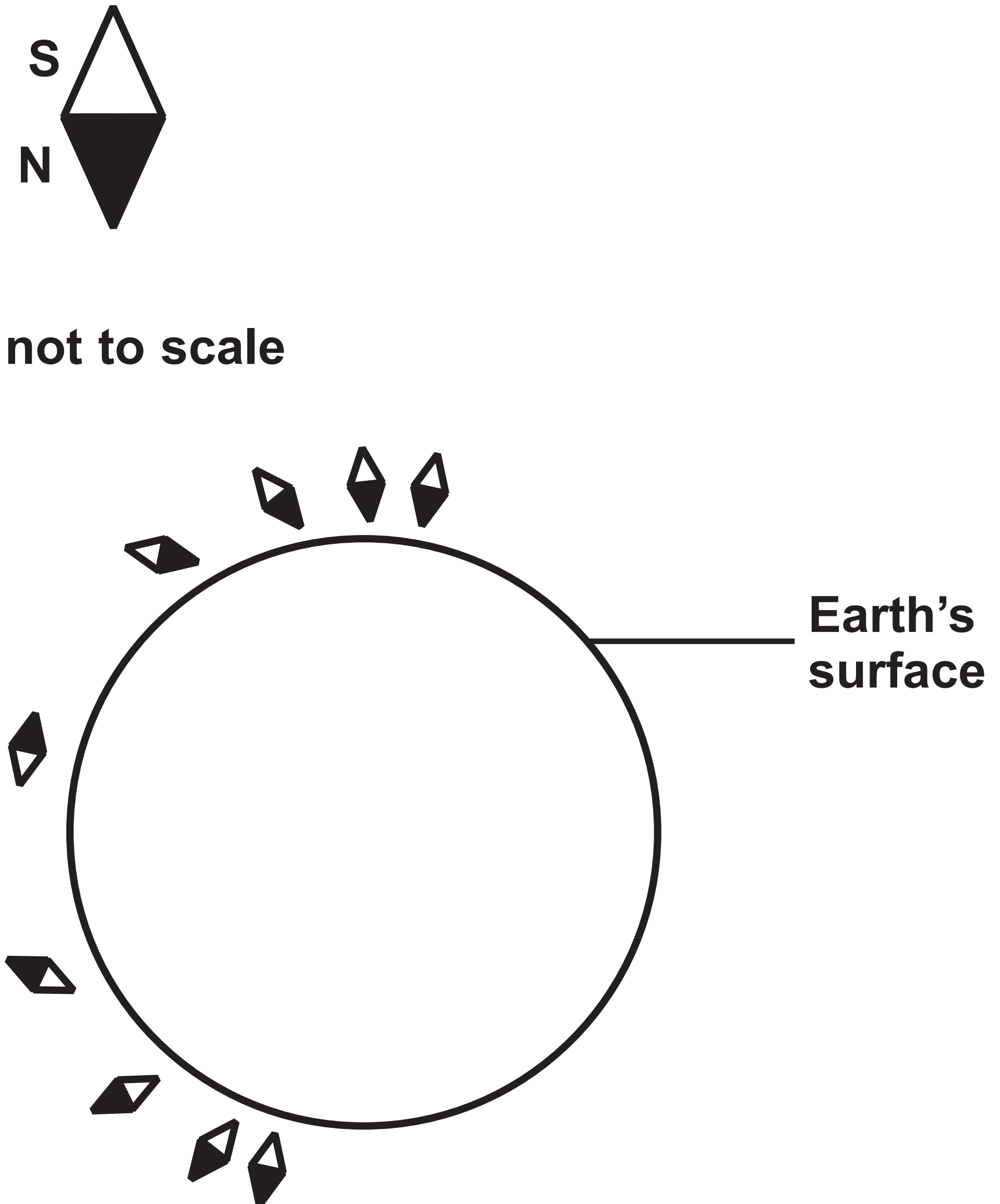


not to scale



## Question 3(c)

FIGURE 5



Question 4(a)

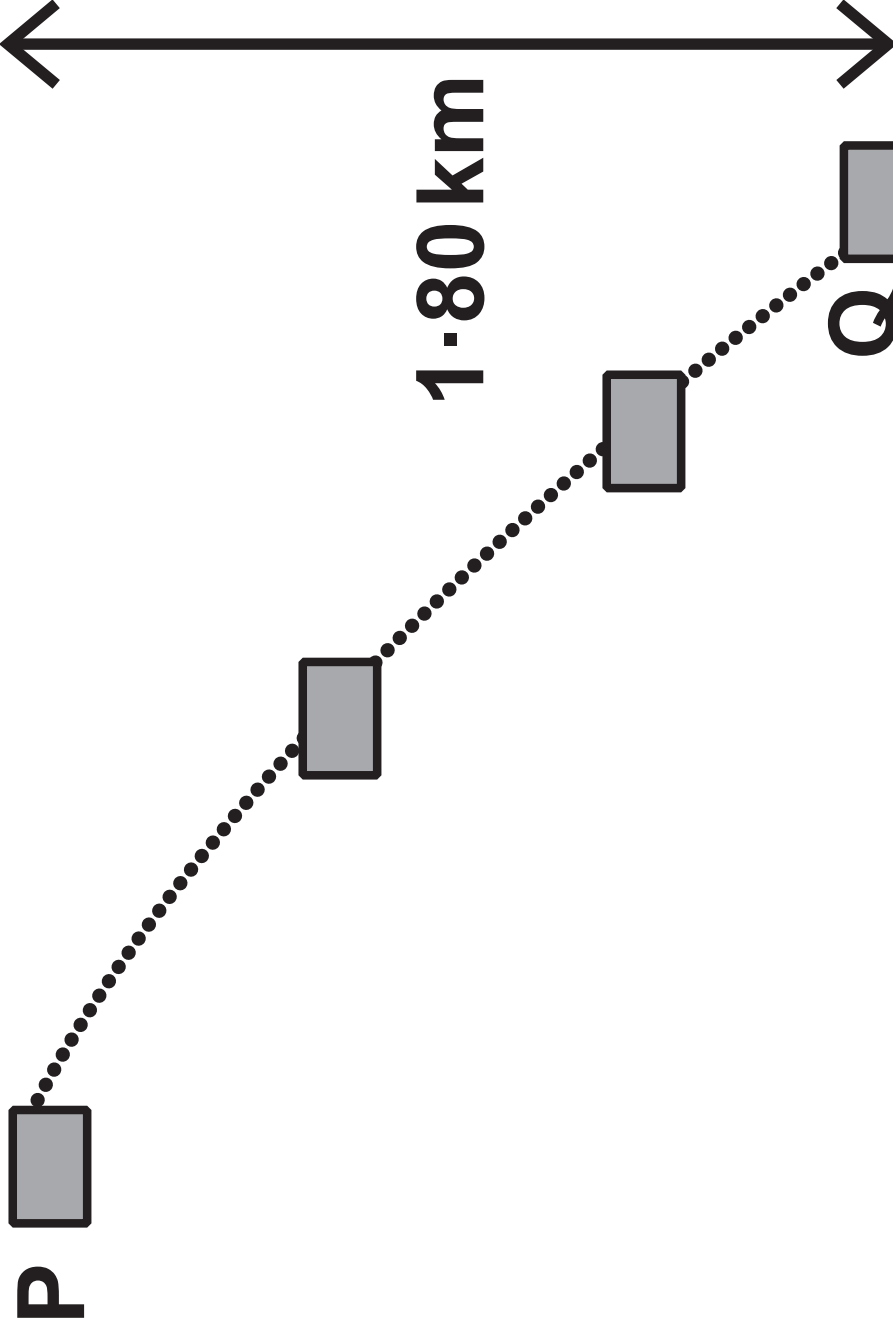
FIGURE 6

KEY

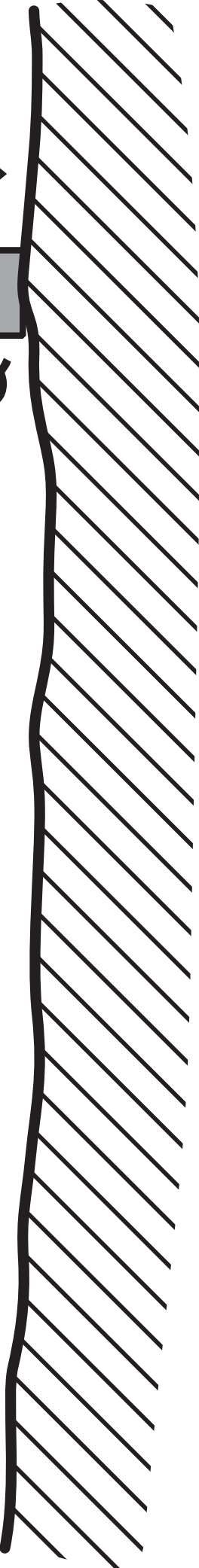
 Mars rover

 1·60 km

speed = 88 m/s



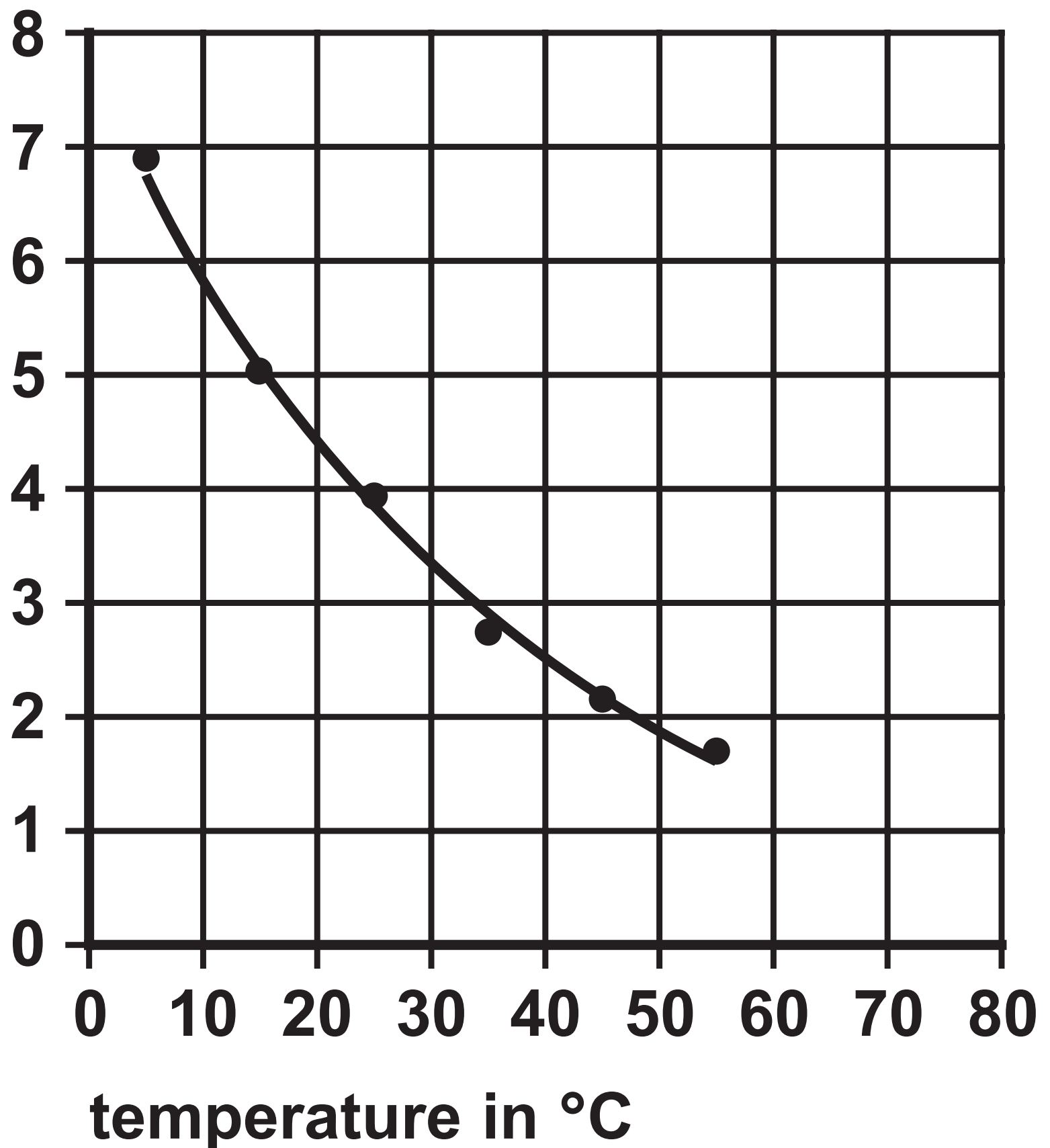
speed = 0 m/s



## Question 5(b)

FIGURE 7

resistance  
in  $\text{k}\Omega$

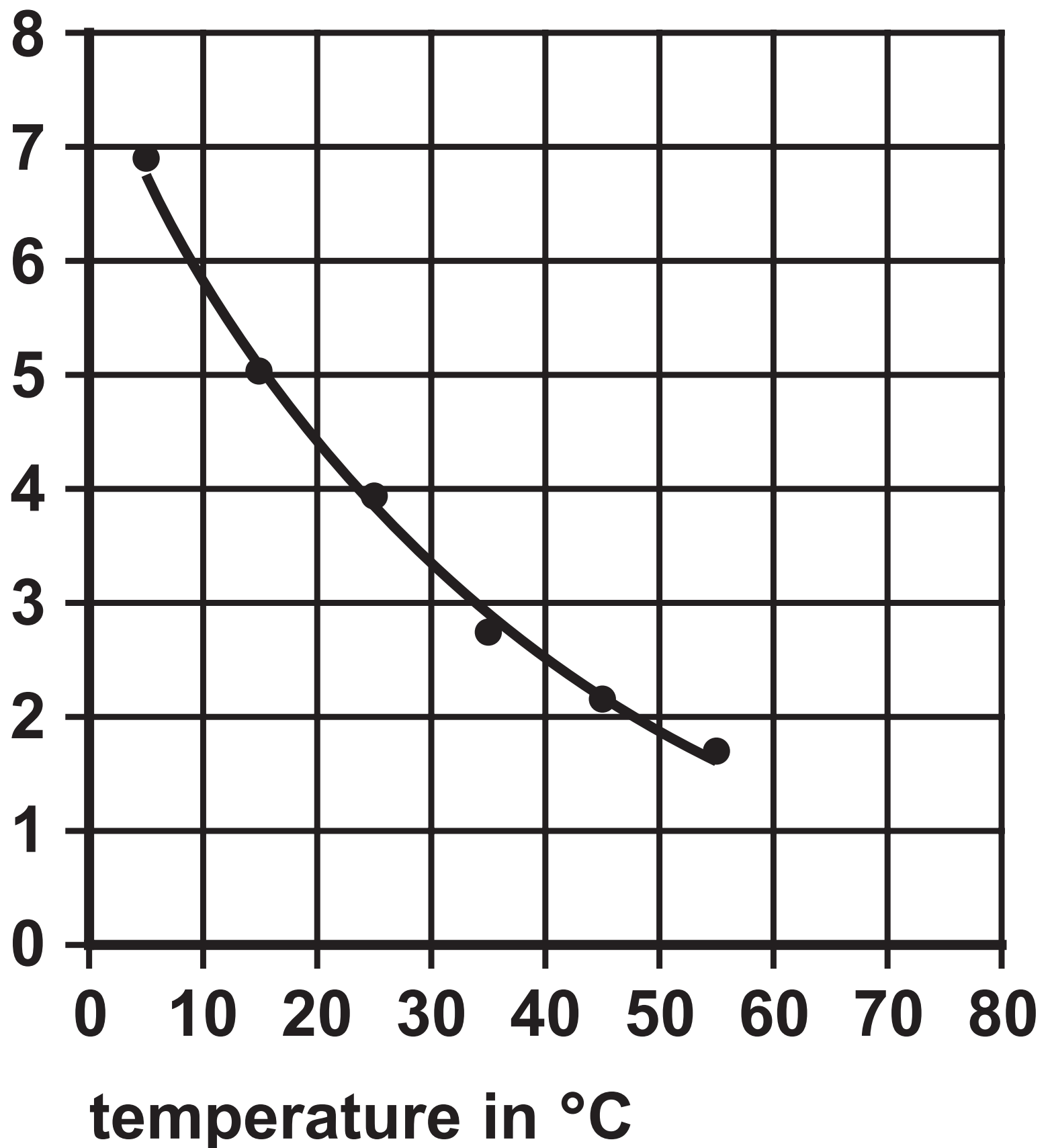


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Question 5(b)

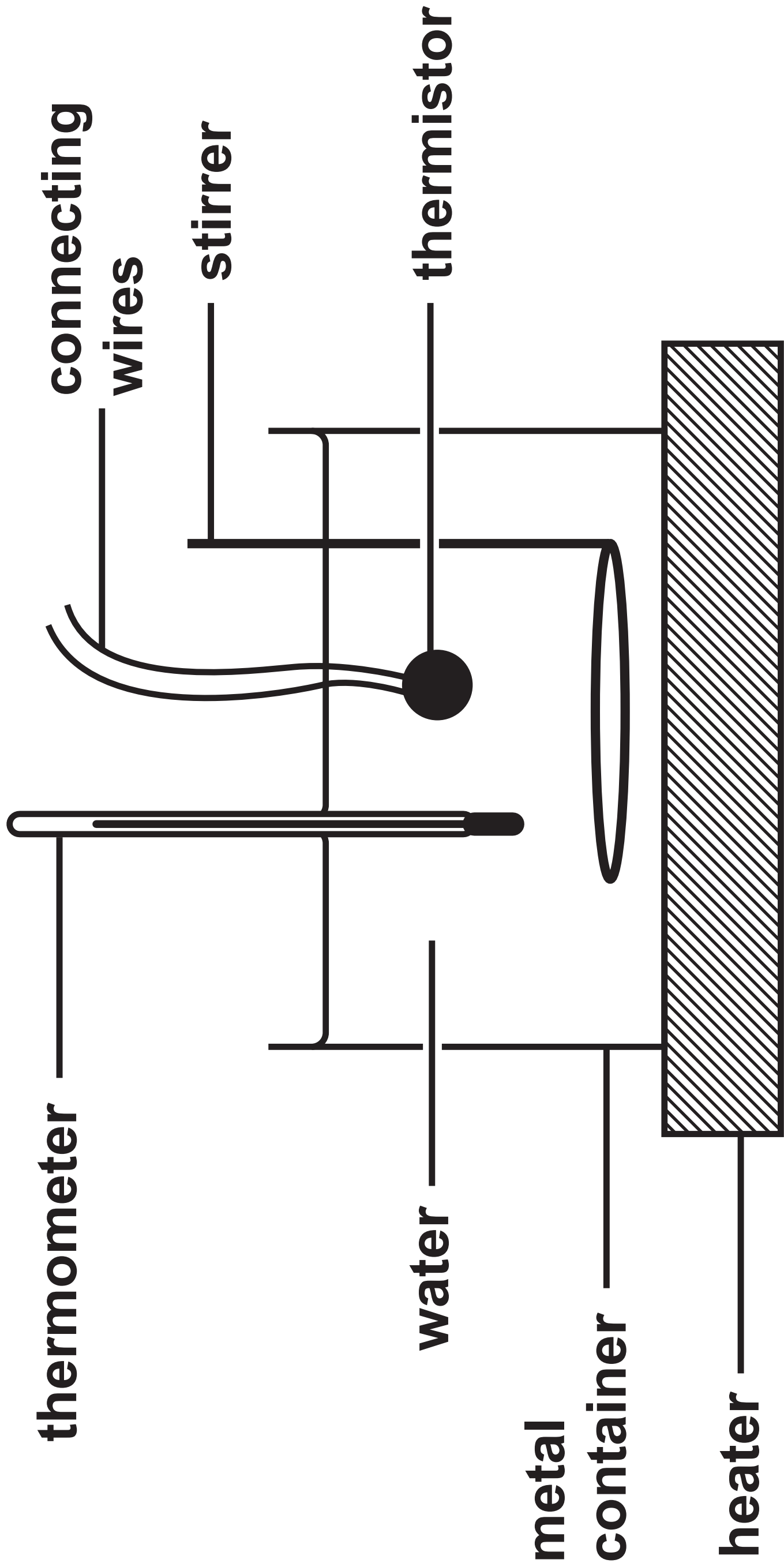
FIGURE 7

resistance  
in  $\text{k}\Omega$



Question 5(c)(i)

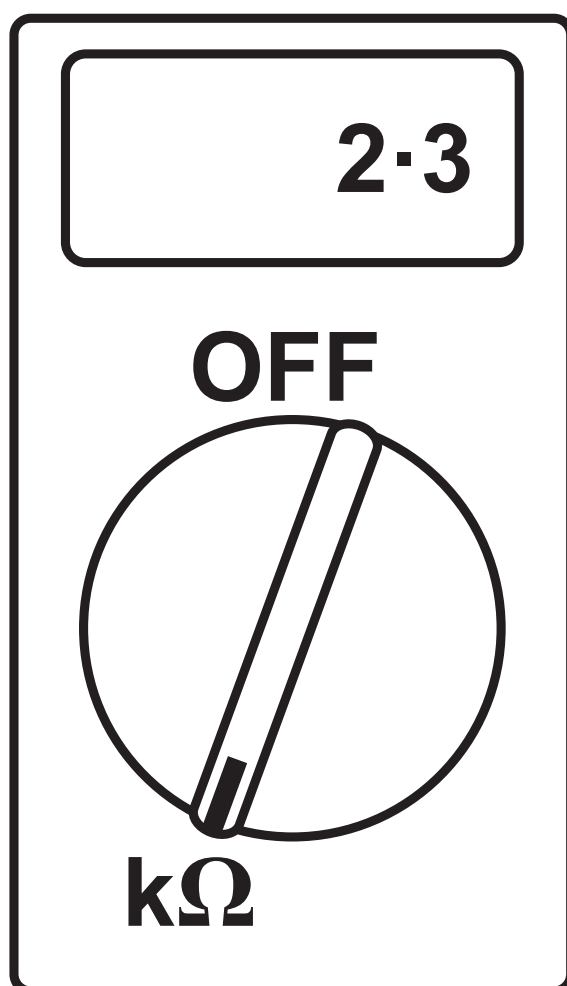
FIGURE 8



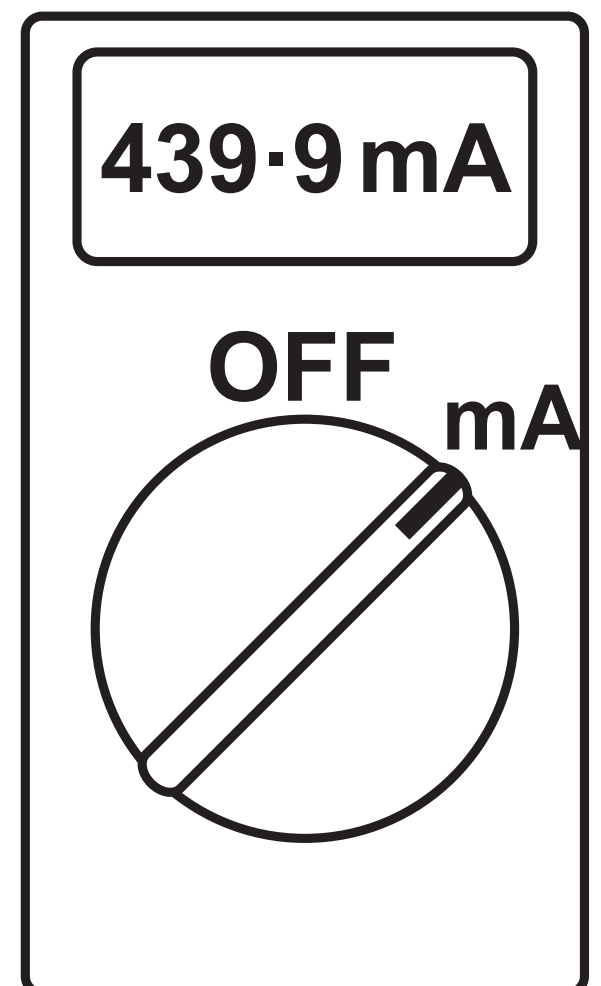
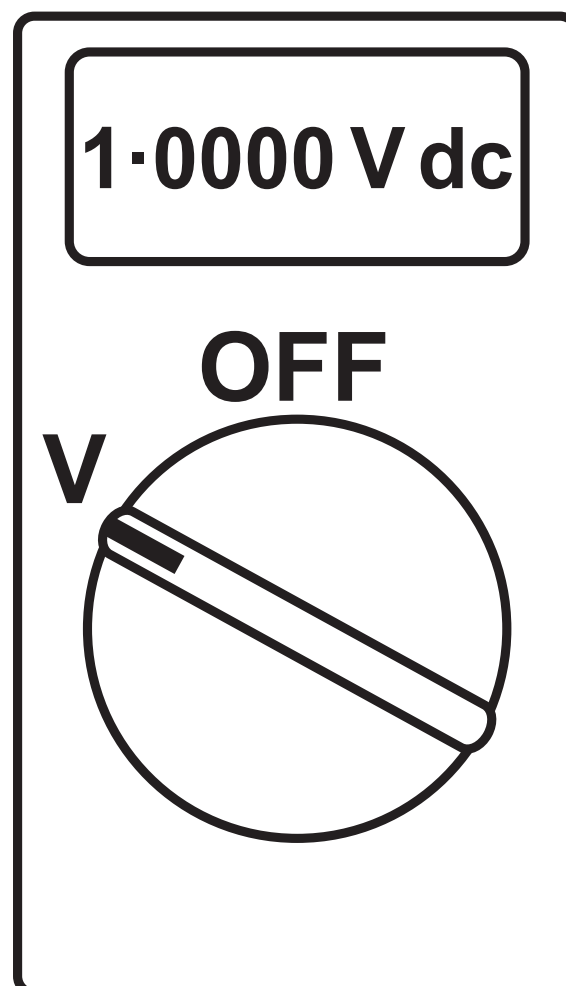
## Question 5(c)(ii)

FIGURE 9

Method 1

using an  
ohmmeter

Method 2

using an ammeter and  
voltmeter

Question 6(b)

FIGURE 10

