

**Paper Reference(s)    4PH1/1PR 4SD0/1PR**  
**Pearson Edexcel International GCSE (9–1)**

**Physics**  
**UNIT: 4PH1**  
**Science (Double Award) 4SD0**  
**PAPER: 1PR**

**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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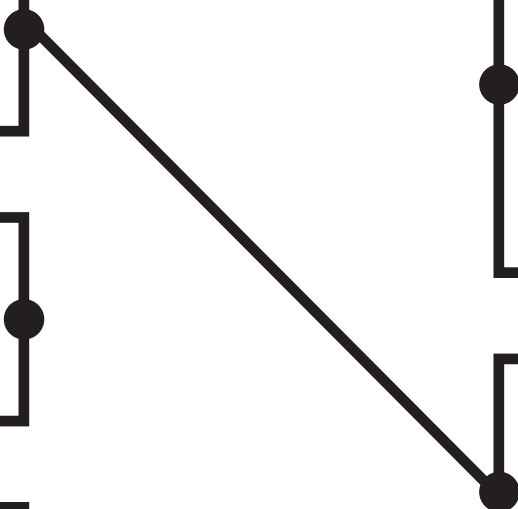
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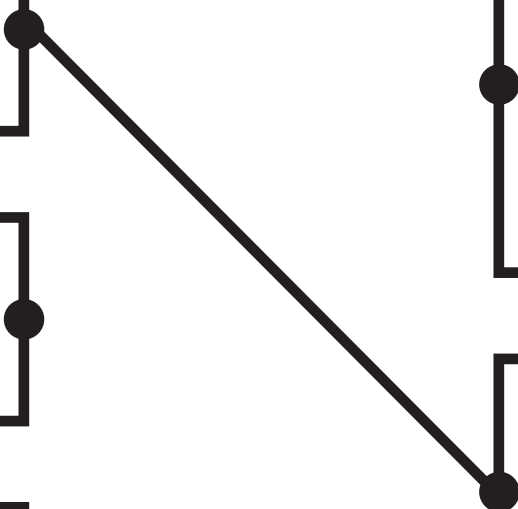
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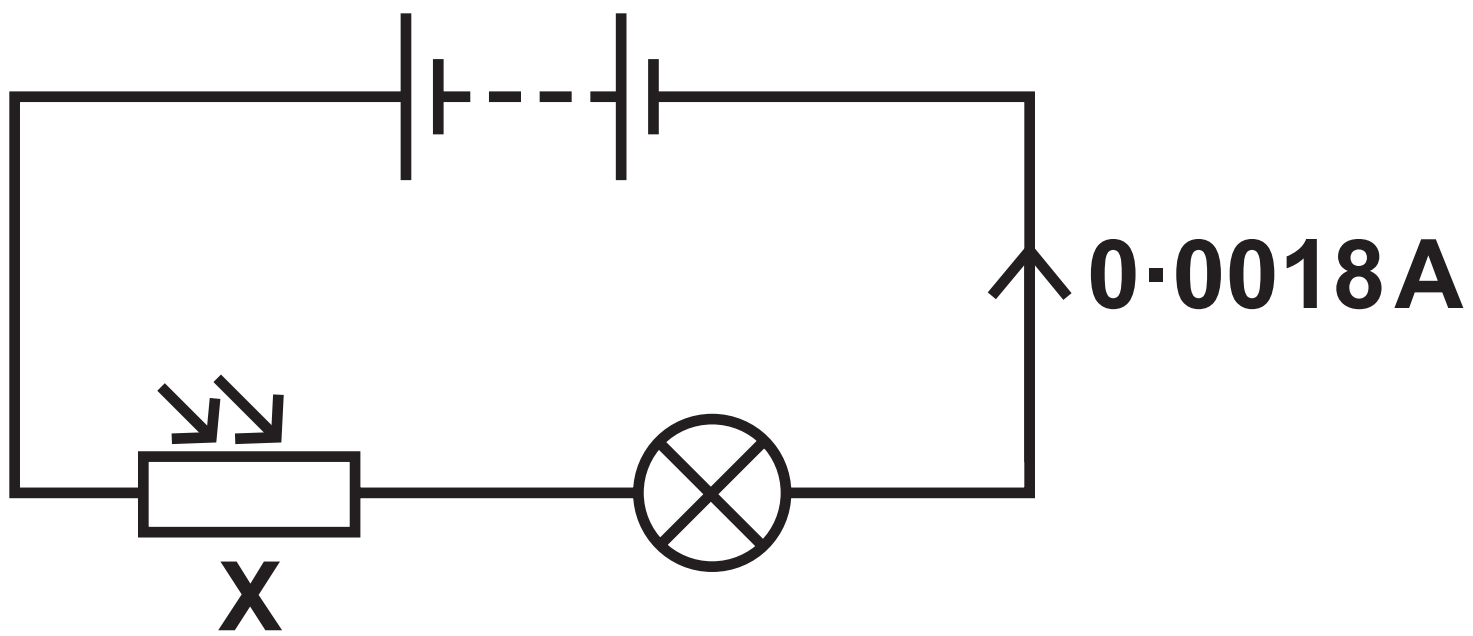
## Question 2(a)

**Electromagnetic  
wave****infrared****radio****ultraviolet****x-ray****visible light****Use****detecting broken  
bones inside  
the body****detecting forged  
banknotes using  
fluorescent lamps****television  
broadcasts****human vision****cooking food**

## Question 2(a)

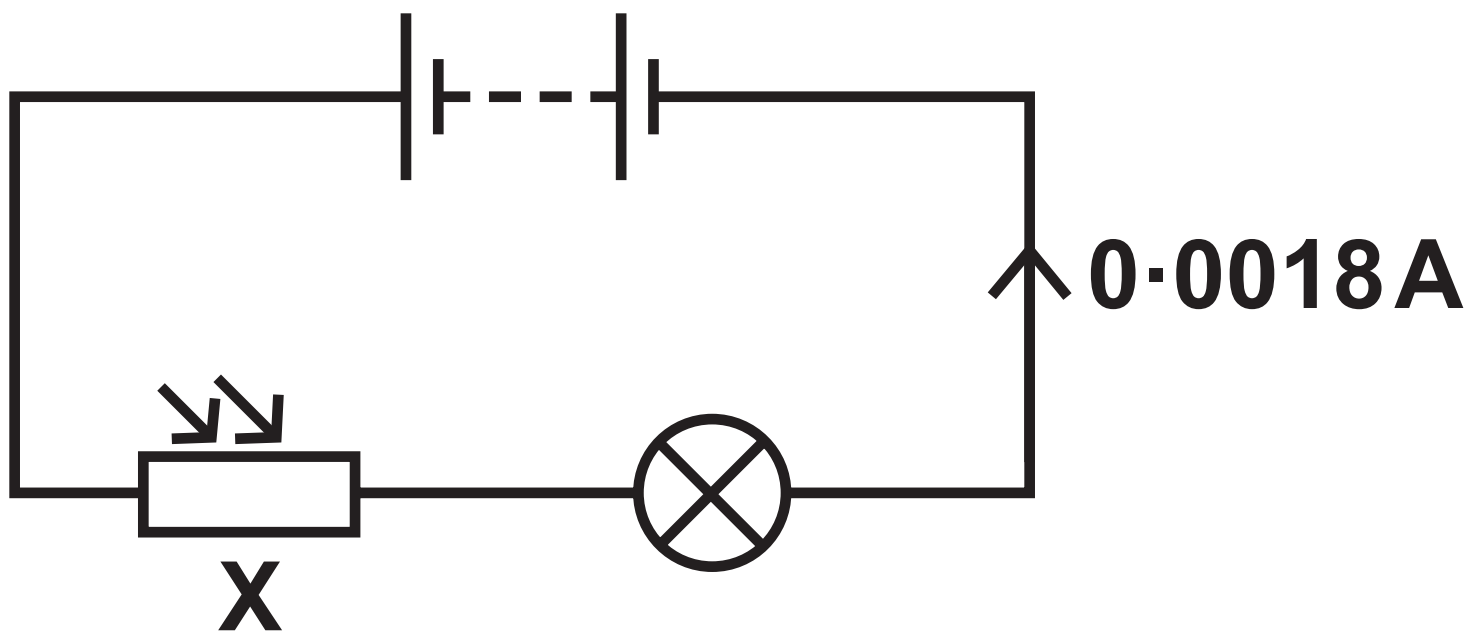
**Electromagnetic  
wave****infrared****radio****ultraviolet****x-ray****visible light****Use****detecting broken  
bones inside  
the body****detecting forged  
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fluorescent lamps****television  
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## Question 3



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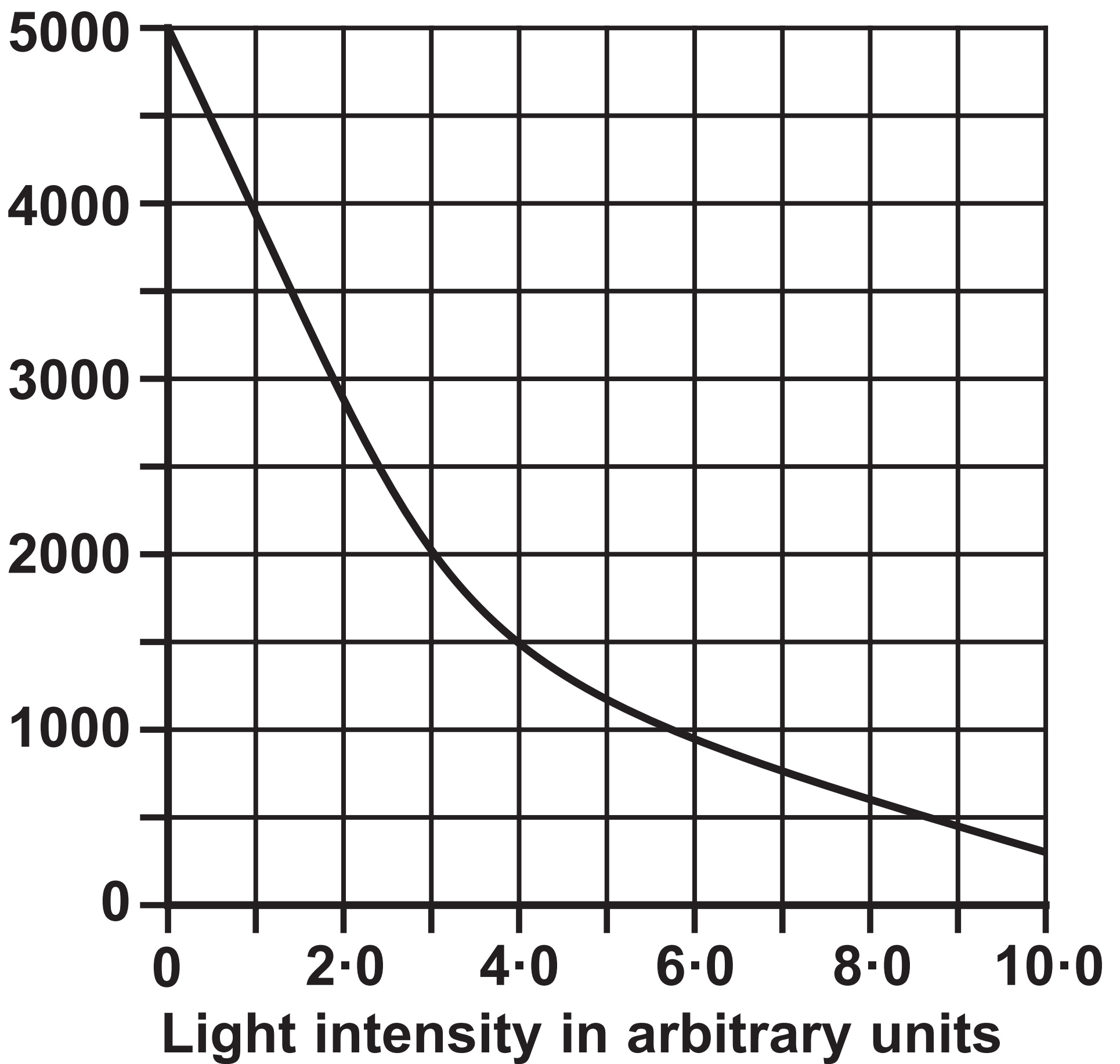
### Question 3





## Question 3(b)

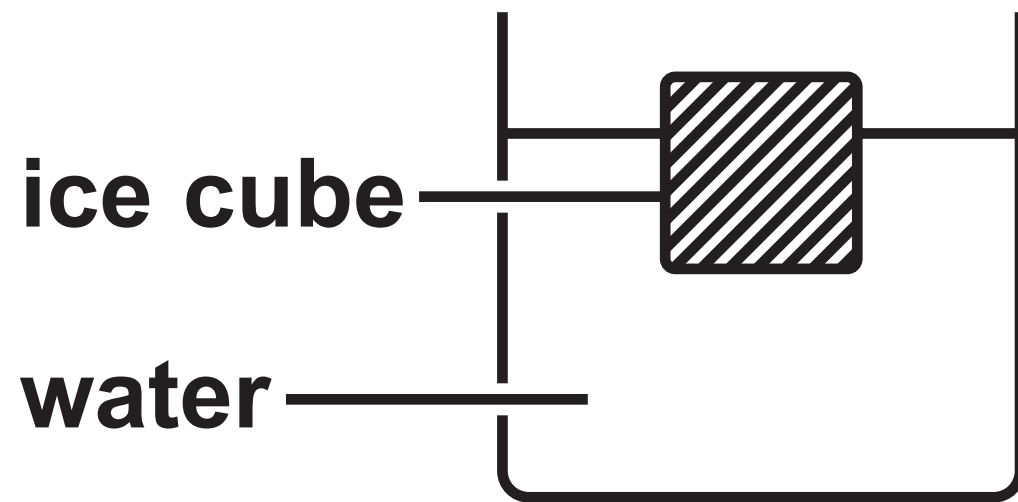
Resistance in  $\Omega$



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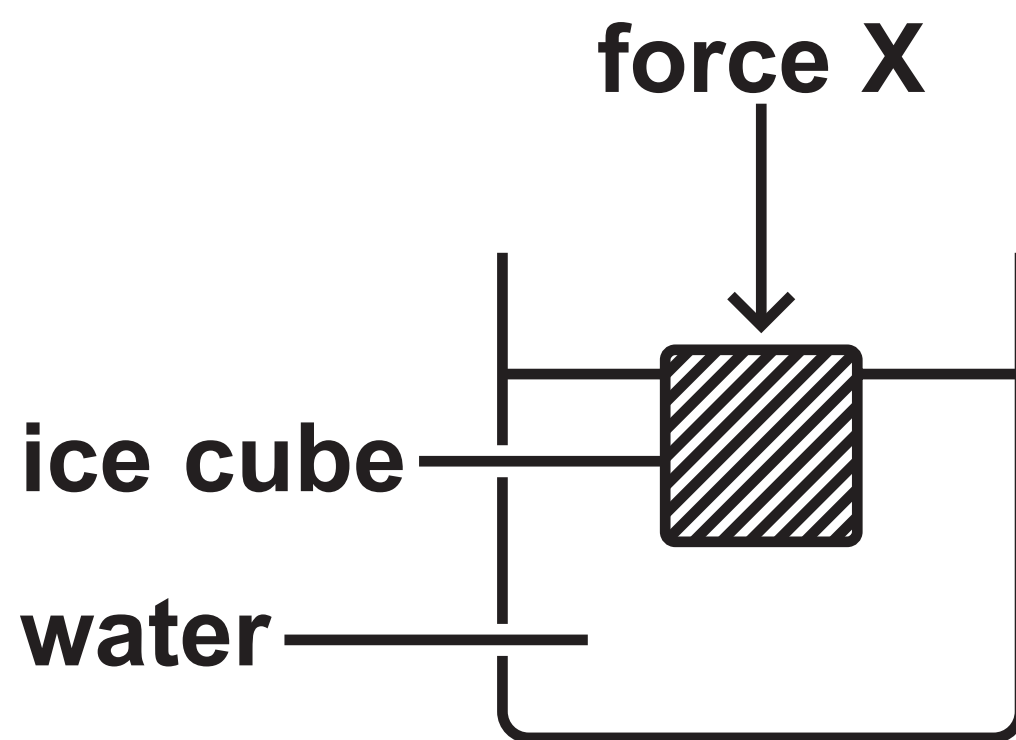
## Question 4(a)

**DIAGRAM 1**



## Question 4(b)

DIAGRAM 2



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Question 5(a)

TABLE 2

Coolest —————→ Hottest			
			Rigel

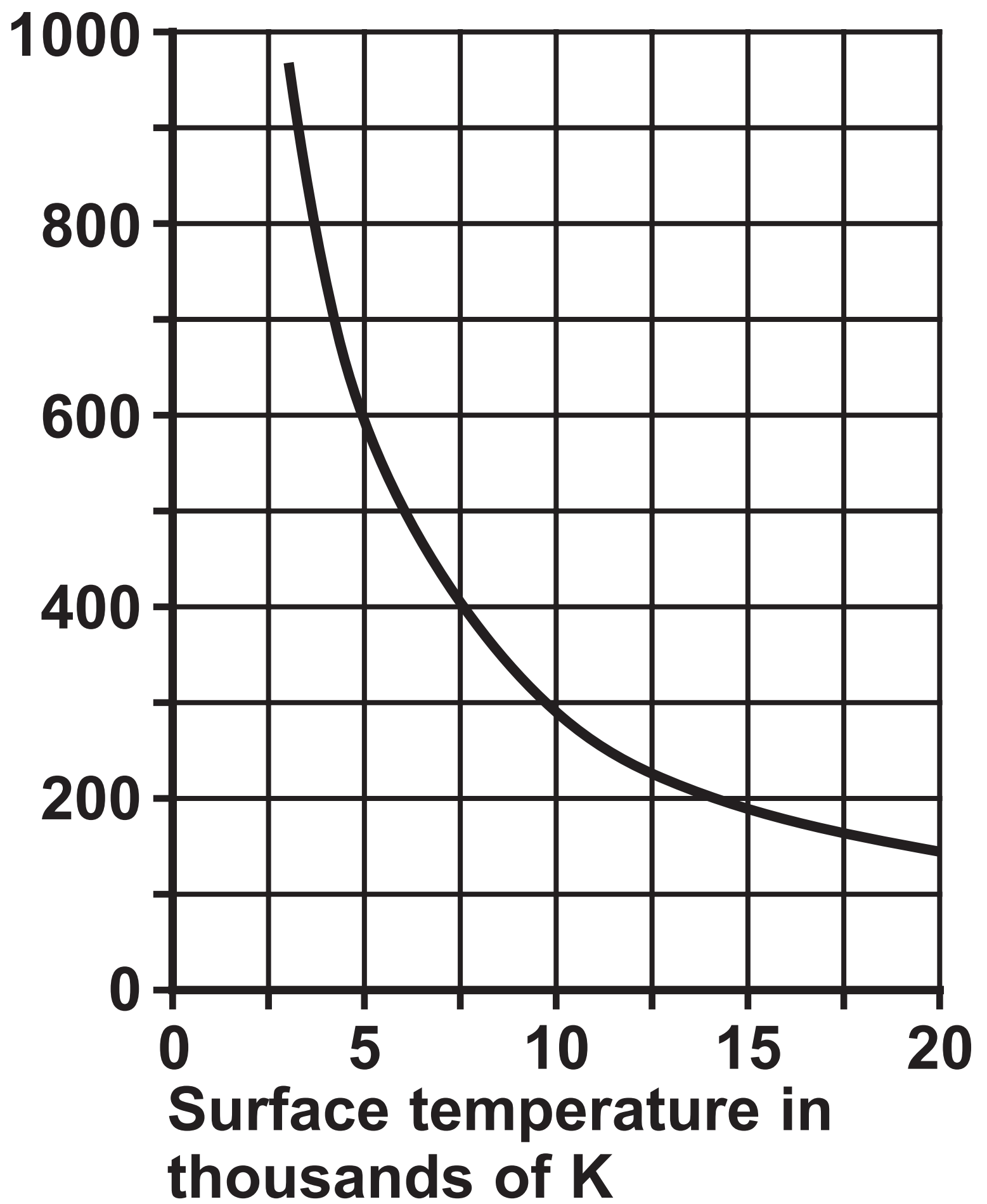
TABLE 2

Coolest —————→ Hottest			
			Rigel

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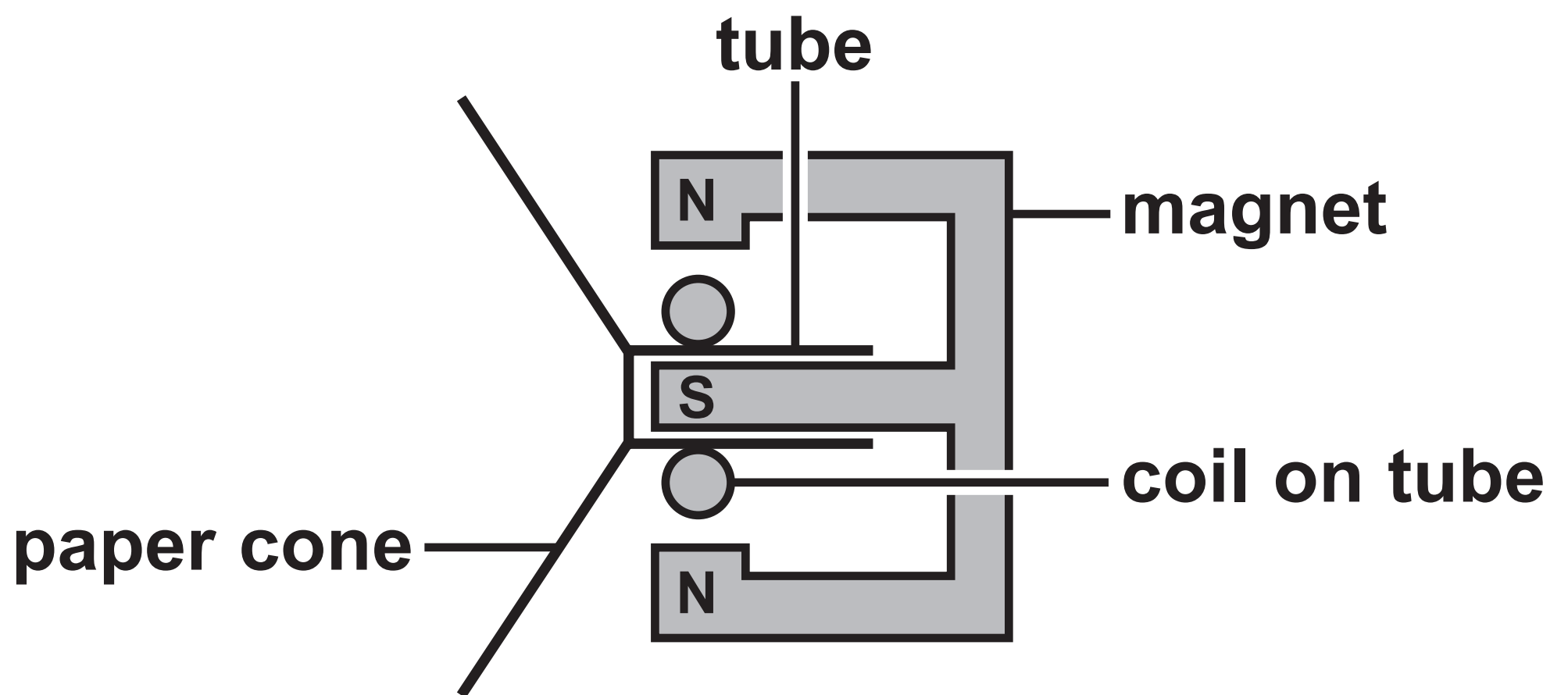
Question 5(c)

Peak wavelength in nm



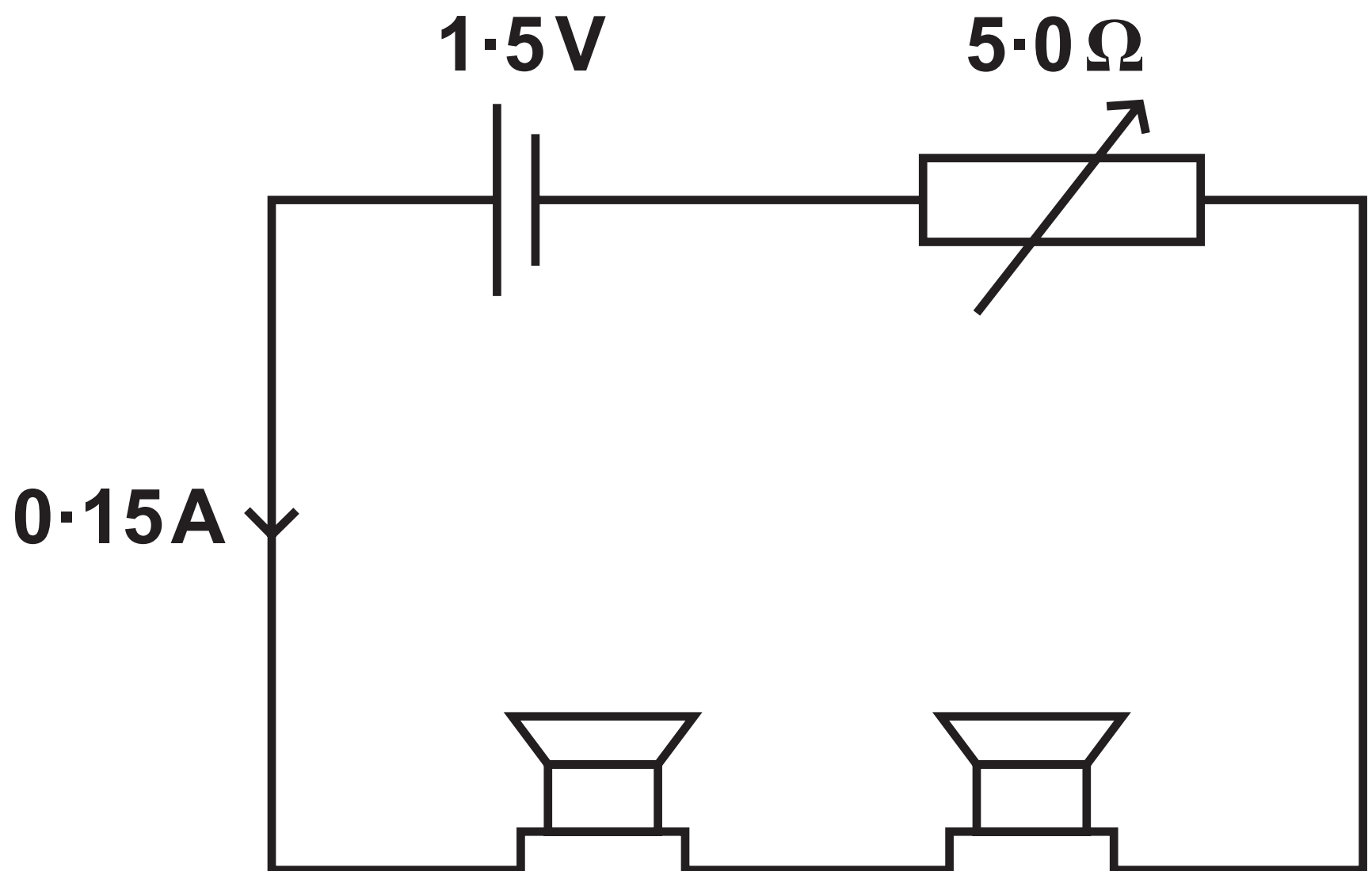
## Question 6(a)

DIAGRAM 1



## Question 6(b)

DIAGRAM 2





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### Question 6(b)(ii)

[illegible]

18

### Question 6(b)(ii)

[illegible]

## Question 6(c)

DIAGRAM 3

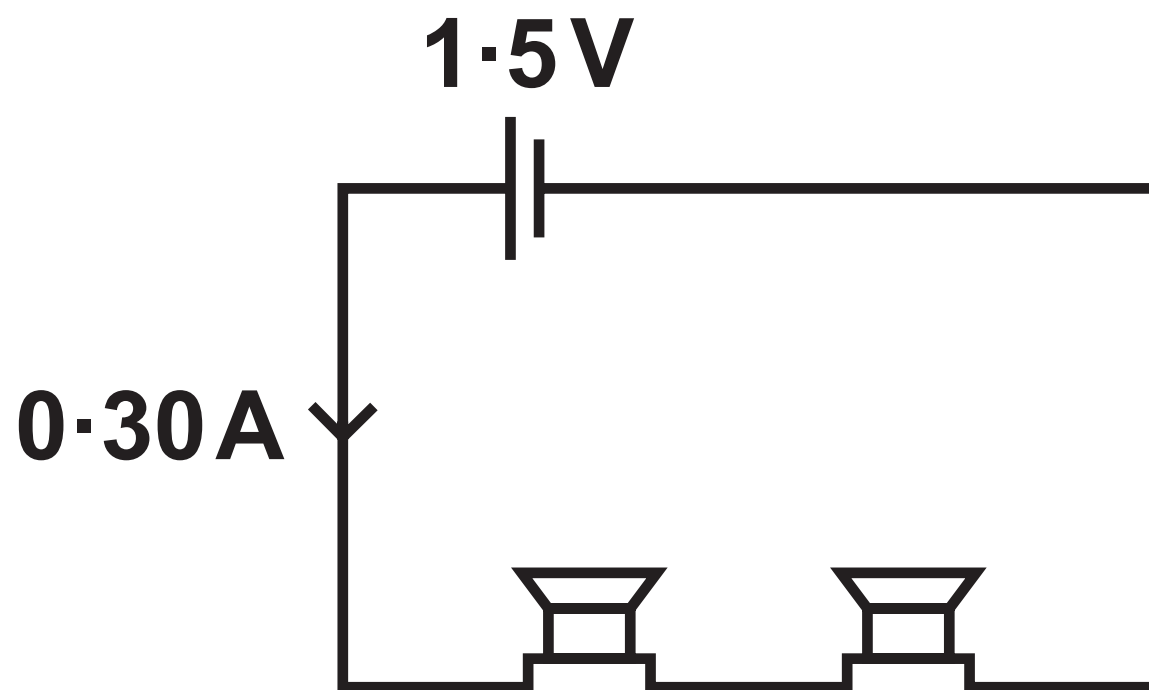
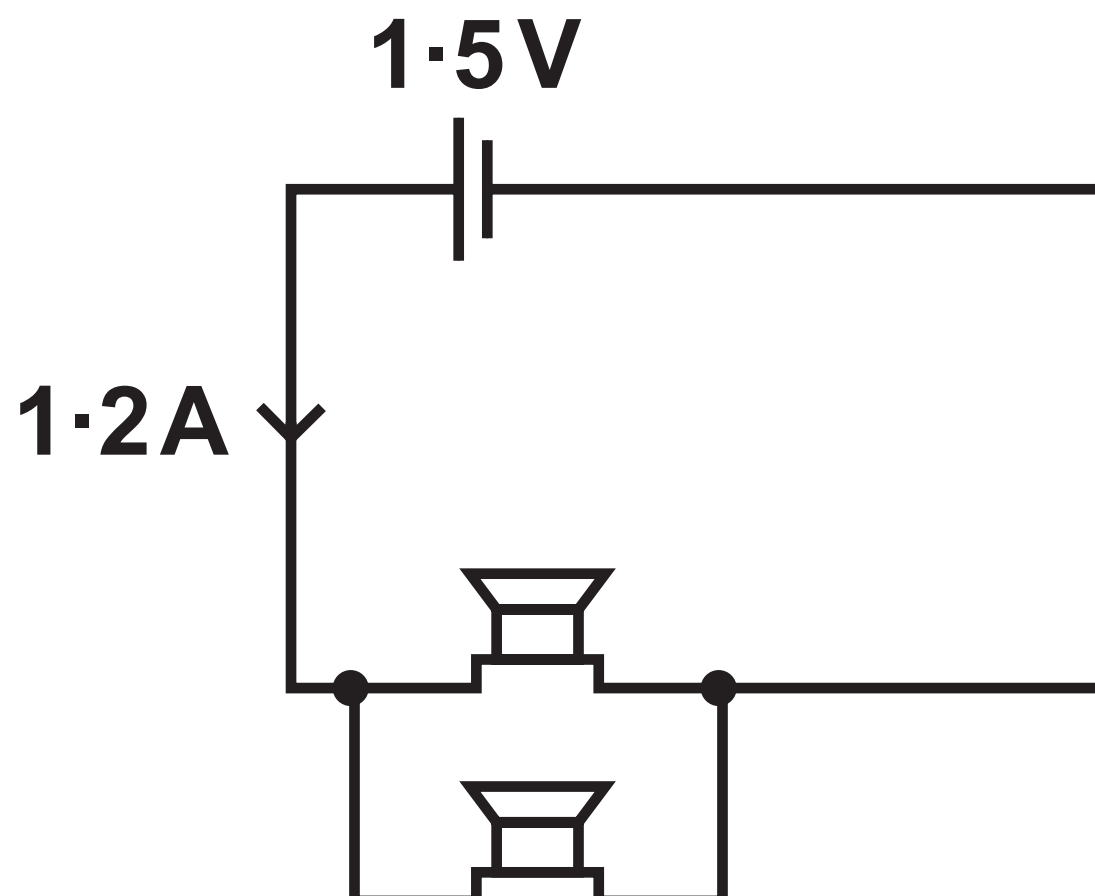
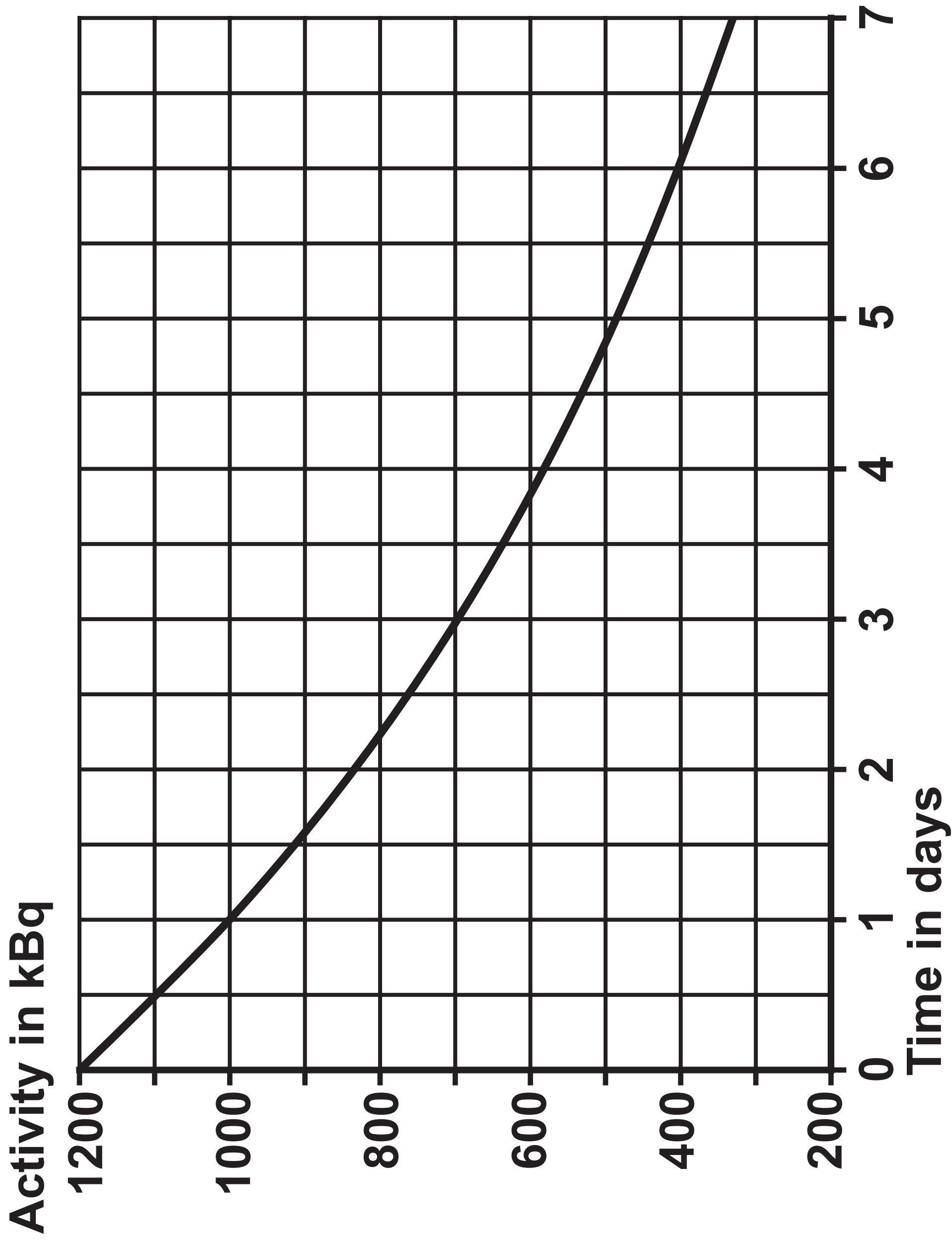


DIAGRAM 4

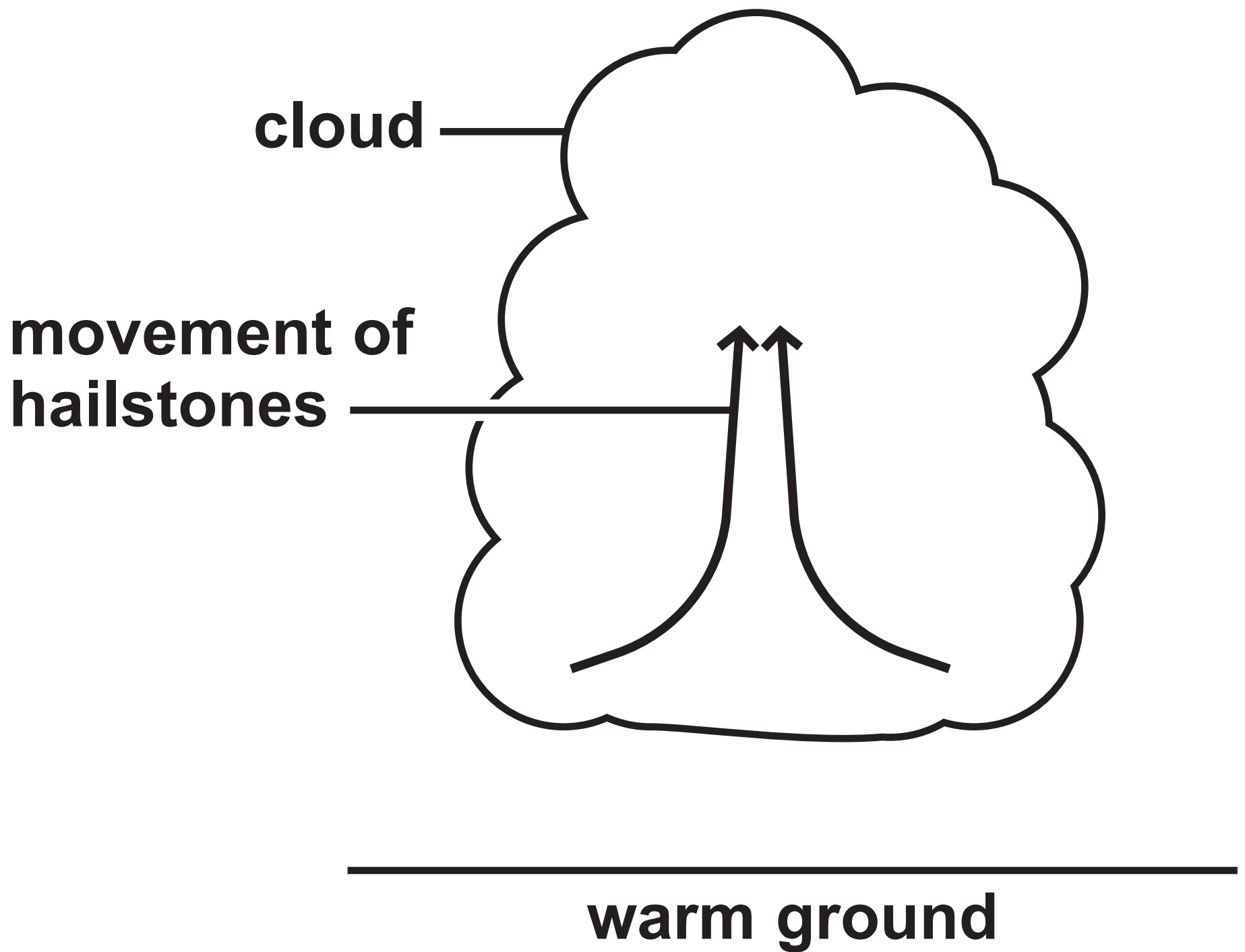


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Question 7(b)

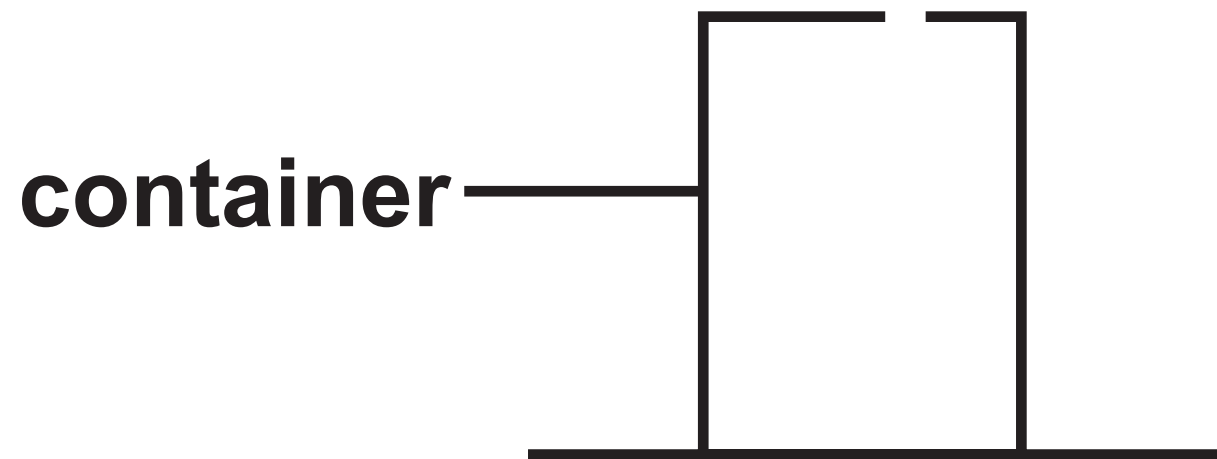


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Question 8(b)



## Question 9

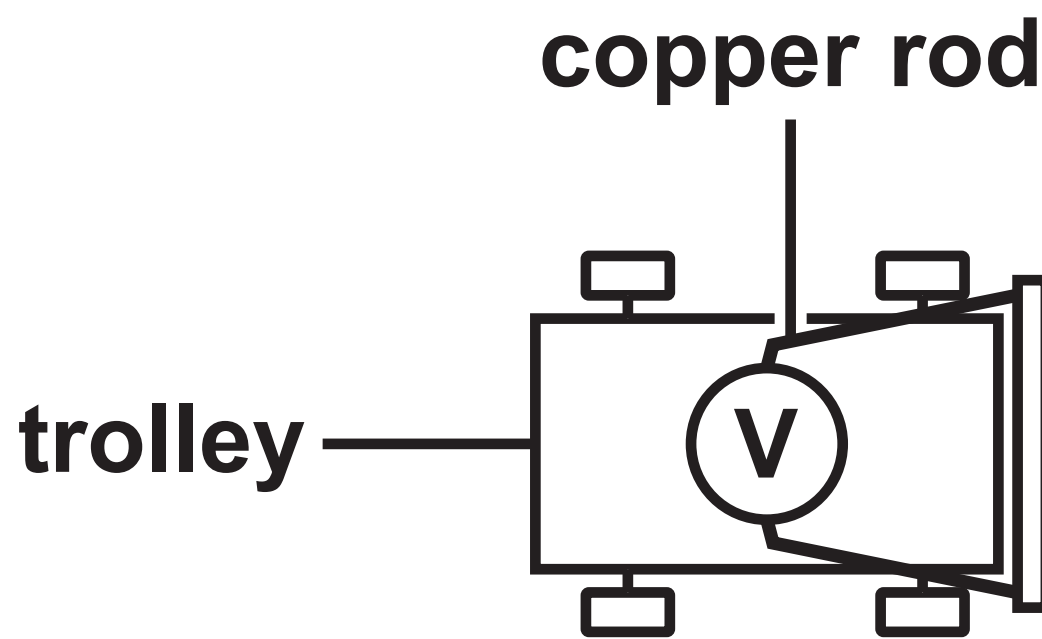


## Question 9(c)



## Question 10

## DIAGRAM 1





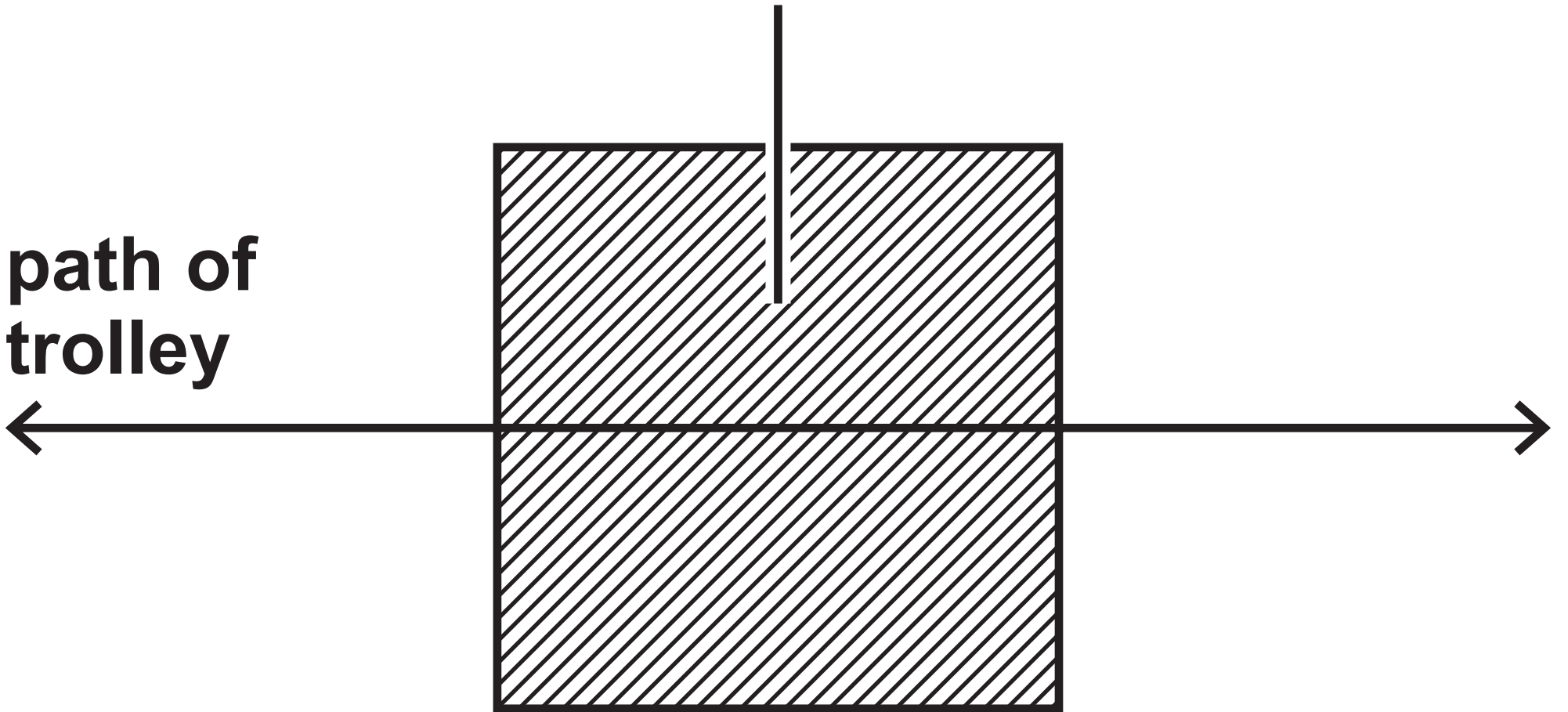
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**Question 10(a)**

**DIAGRAM 2**

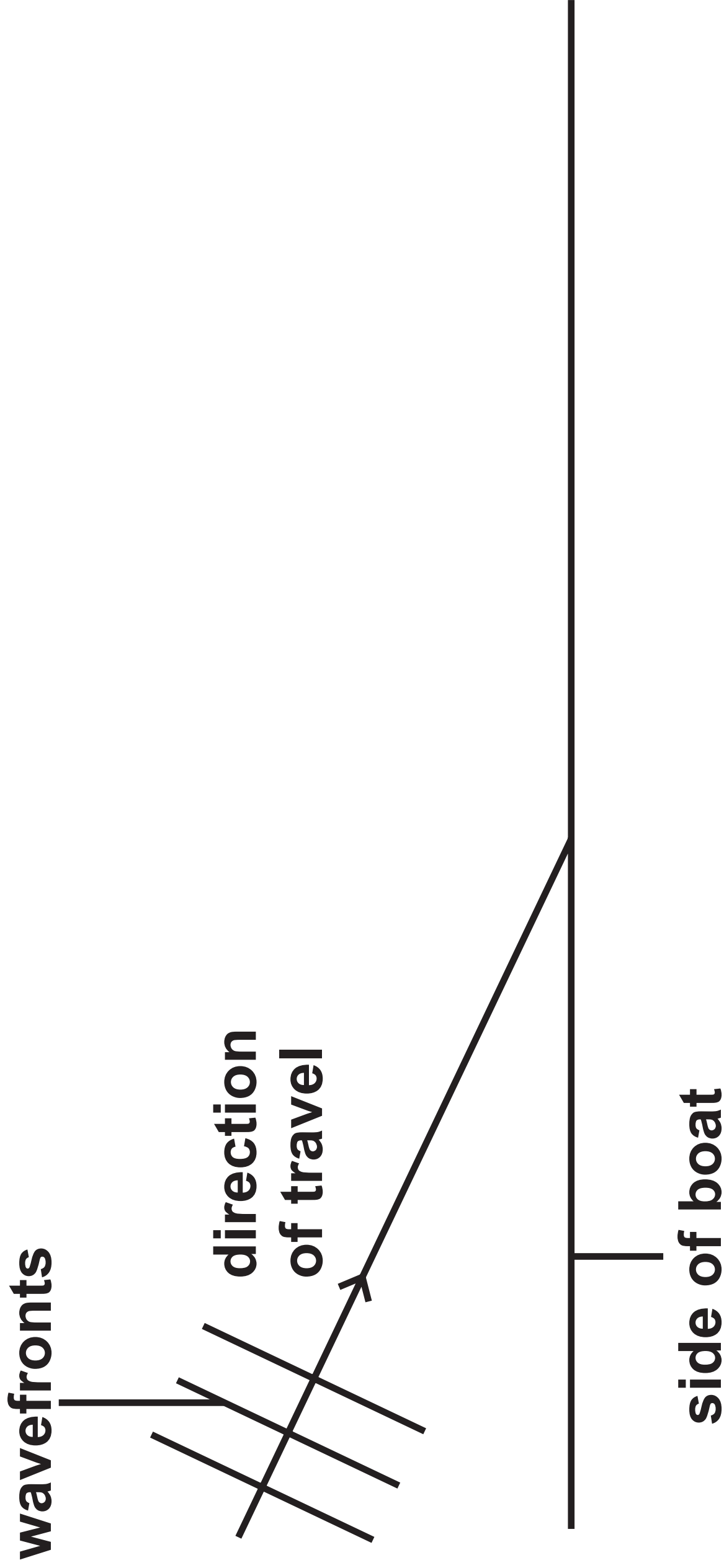
**magnetic field into page**

**path of  
trolley**



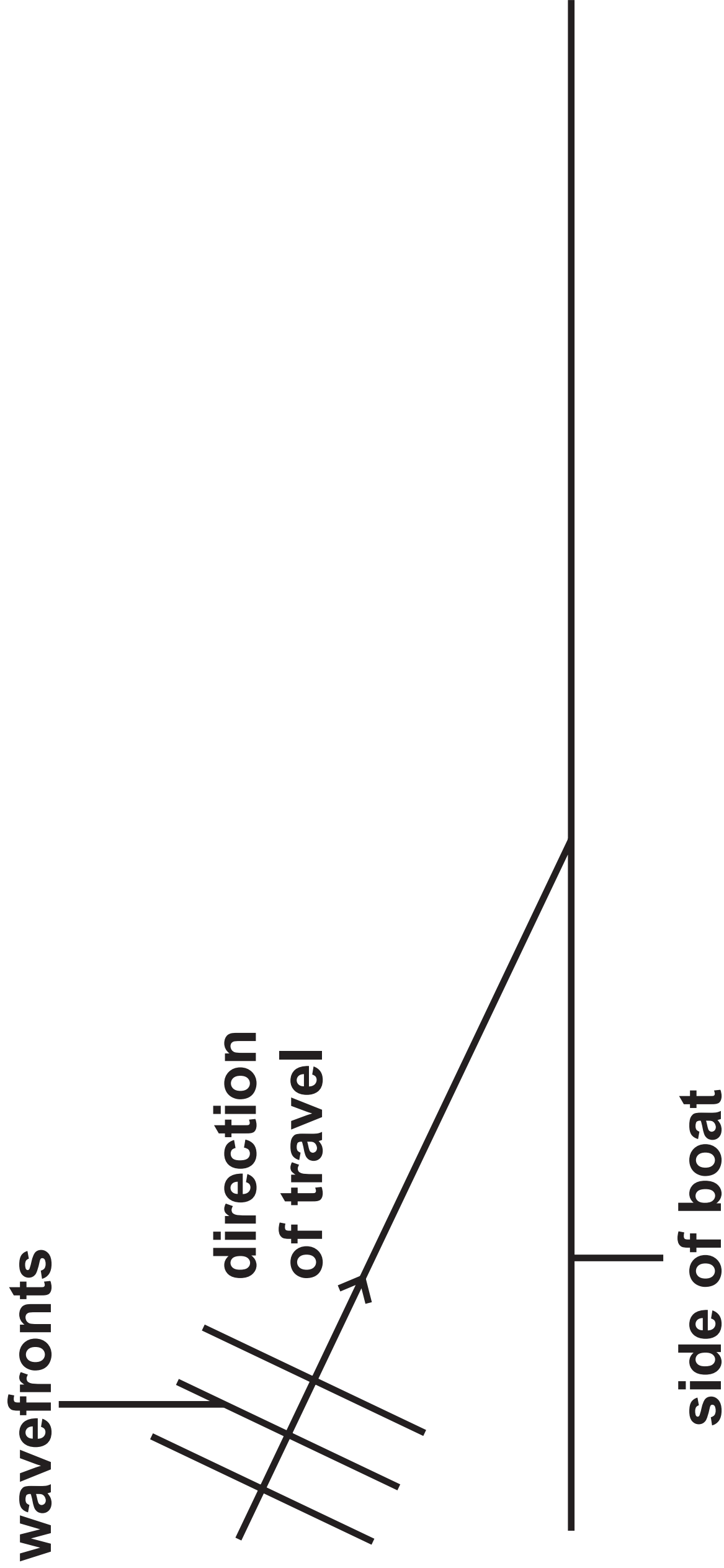
Question 11(a)

DIAGRAM 1



Question 11(a)

DIAGRAM 1



## Question 11(b)(ii)

DIAGRAM 2

