

**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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Question 2(a)

**Electromagnetic wave**

infrared ●

radio ●

ultraviolet ●

x-ray ●

visible light ●

**Use**

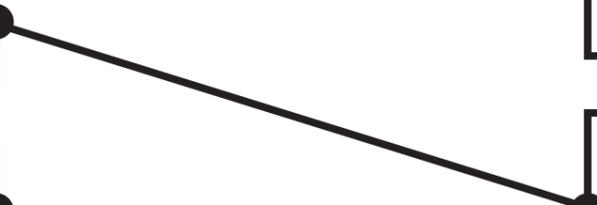
● detecting broken bones inside the body

● 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**

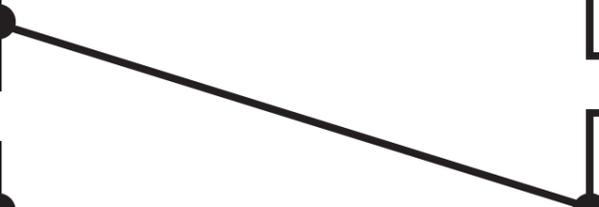
● detecting broken bones inside the body

● detecting forged banknotes using fluorescent lamps

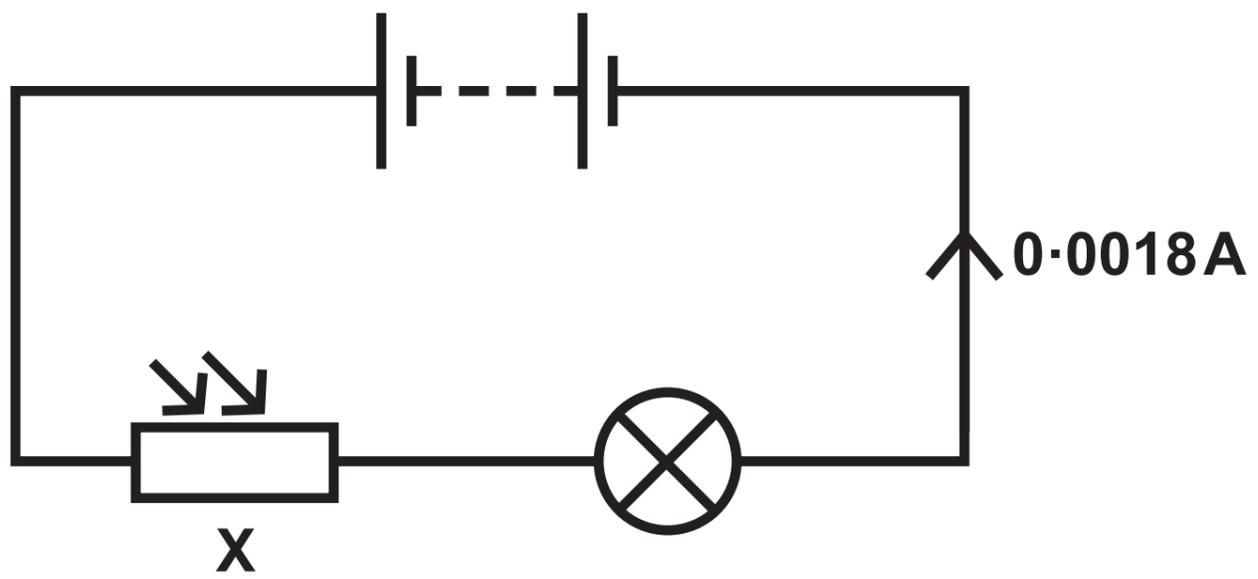
● television broadcasts

● human vision

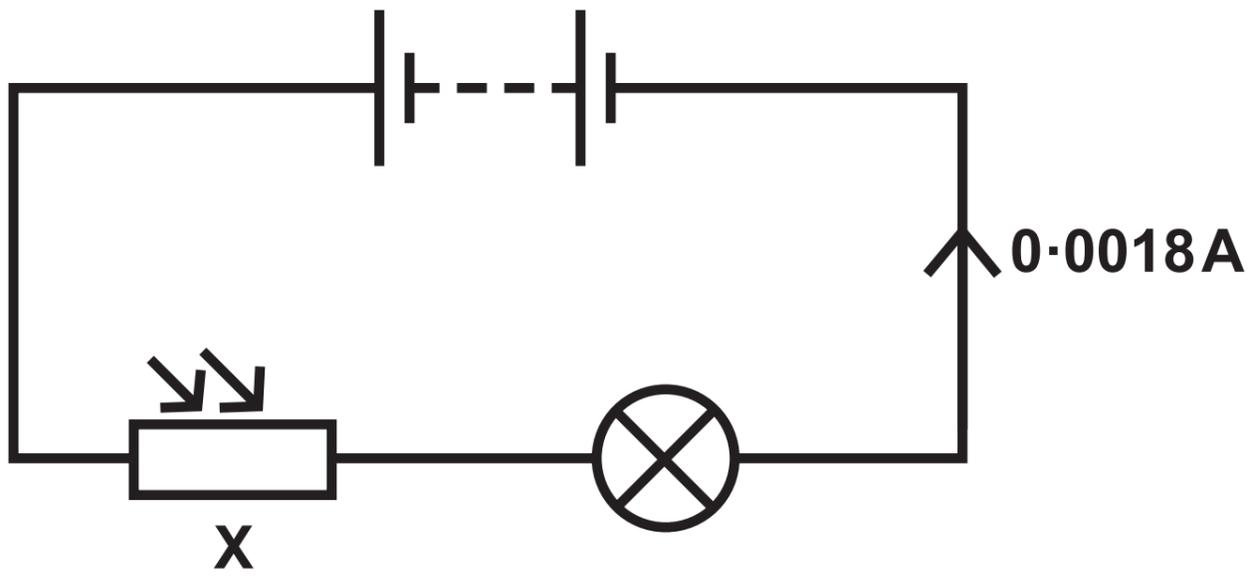
● cooking food



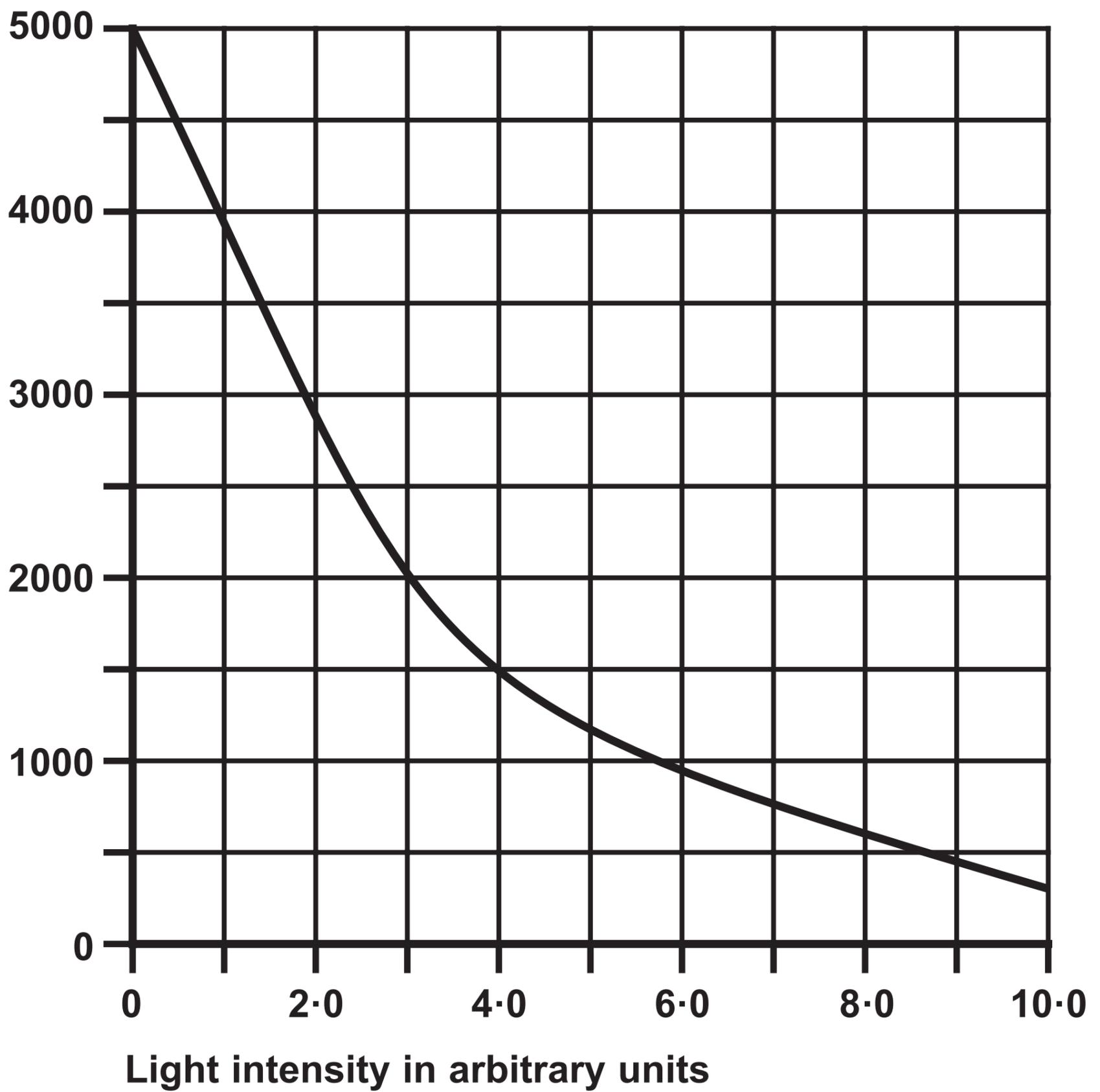
## Question 3



## Question 3

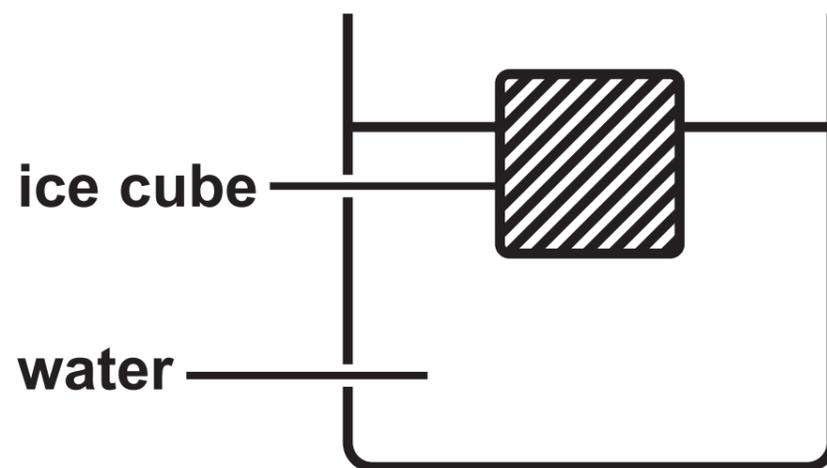


## Question 3(b)

Resistance in  $\Omega$ 

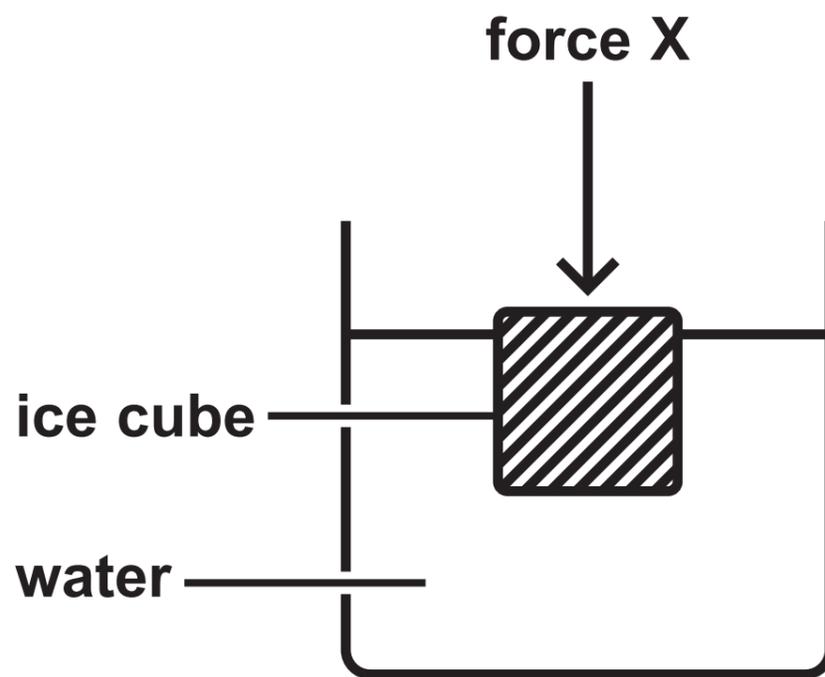
Question 4(a)

DIAGRAM 1



Question 4(b)

DIAGRAM 2



## Question 5(a)

TABLE 2

Coolest —————→ Hottest				
				Rigel

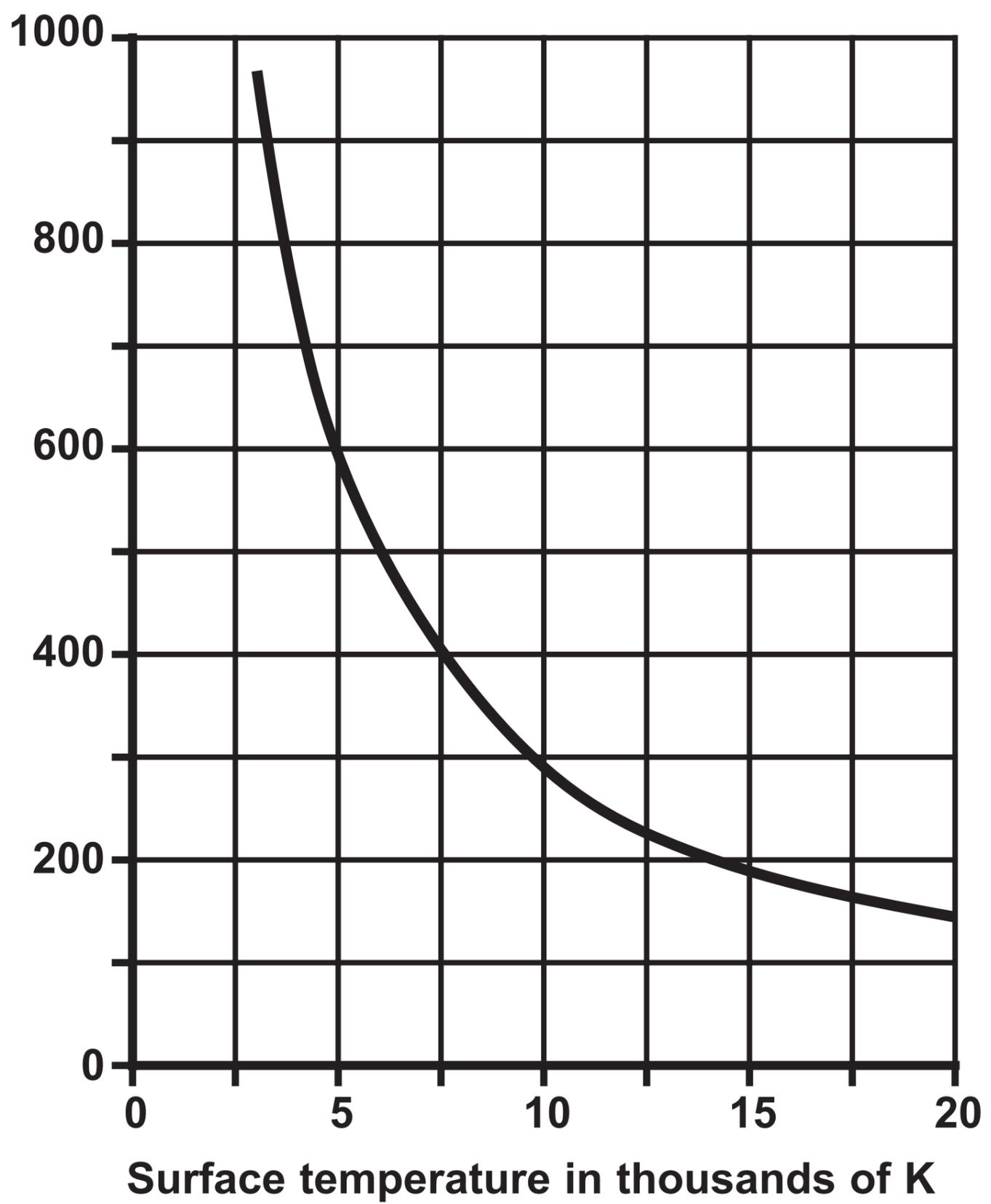
Question 5(a)

TABLE 2

Coolest —————→ Hottest				
				Rigel

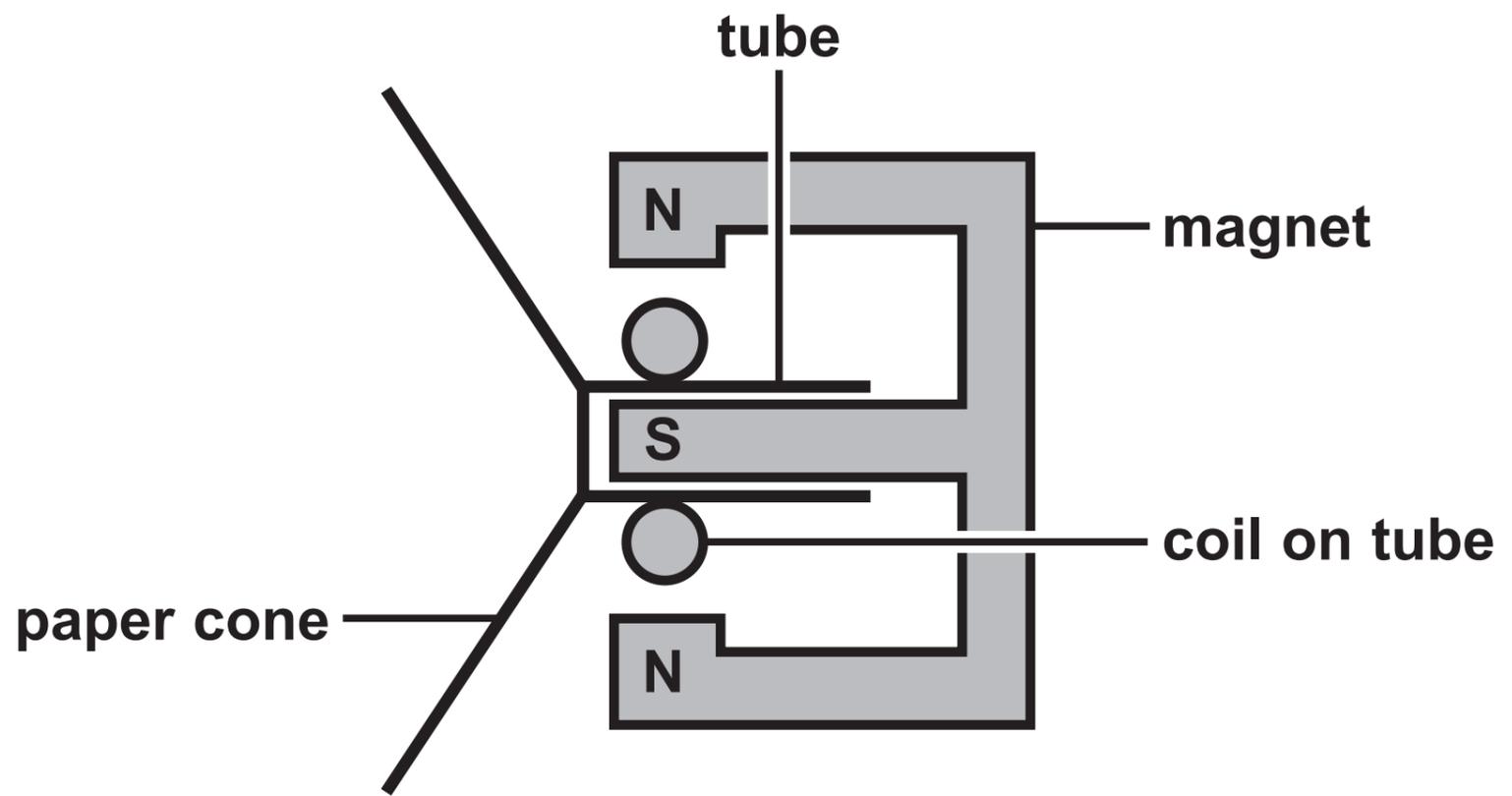
## Question 5(c)

Peak wavelength in nm



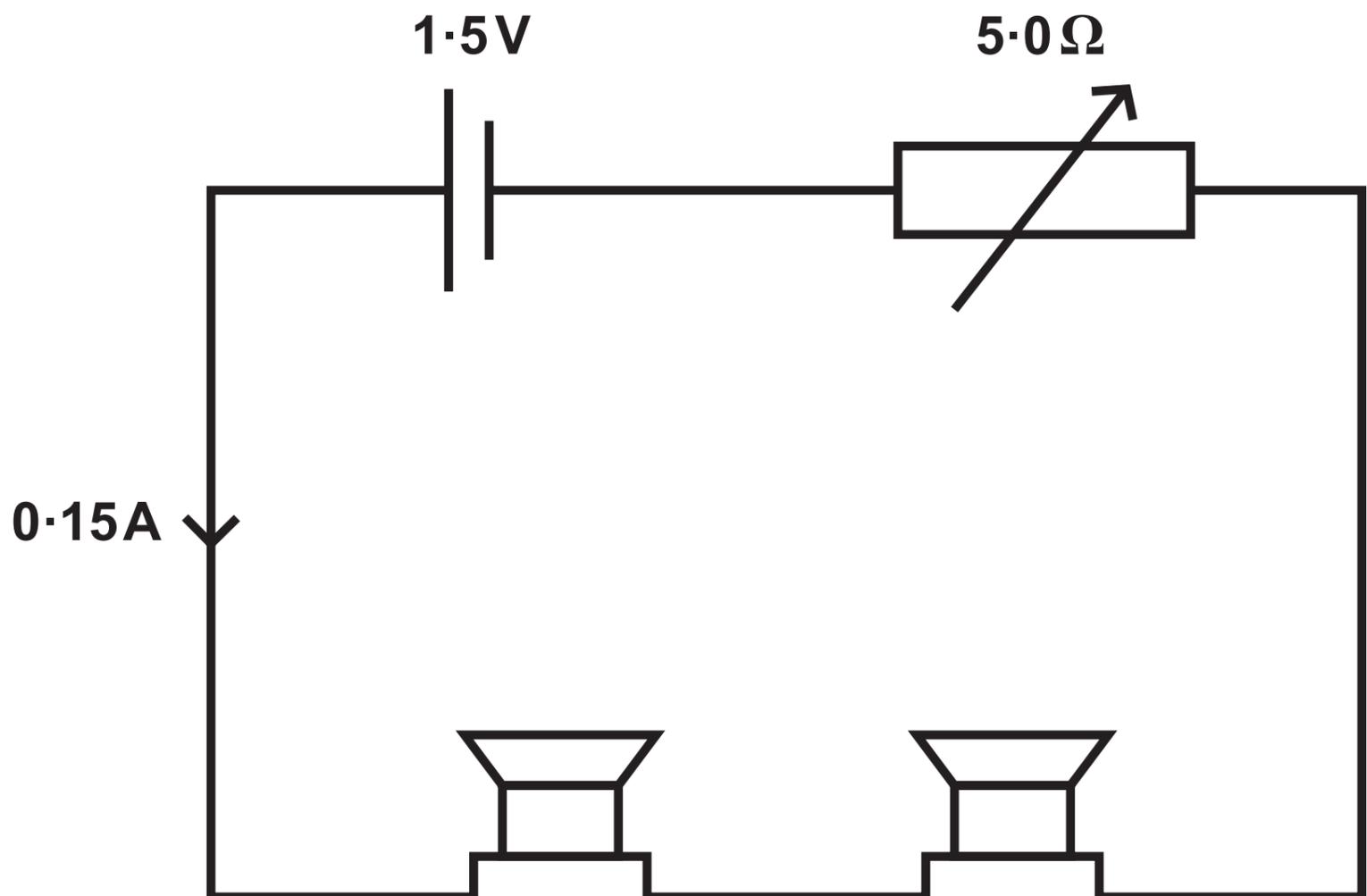
Question 6(a)

DIAGRAM 1



## Question 6(b)

DIAGRAM 2







Question 6(c)

DIAGRAM 3

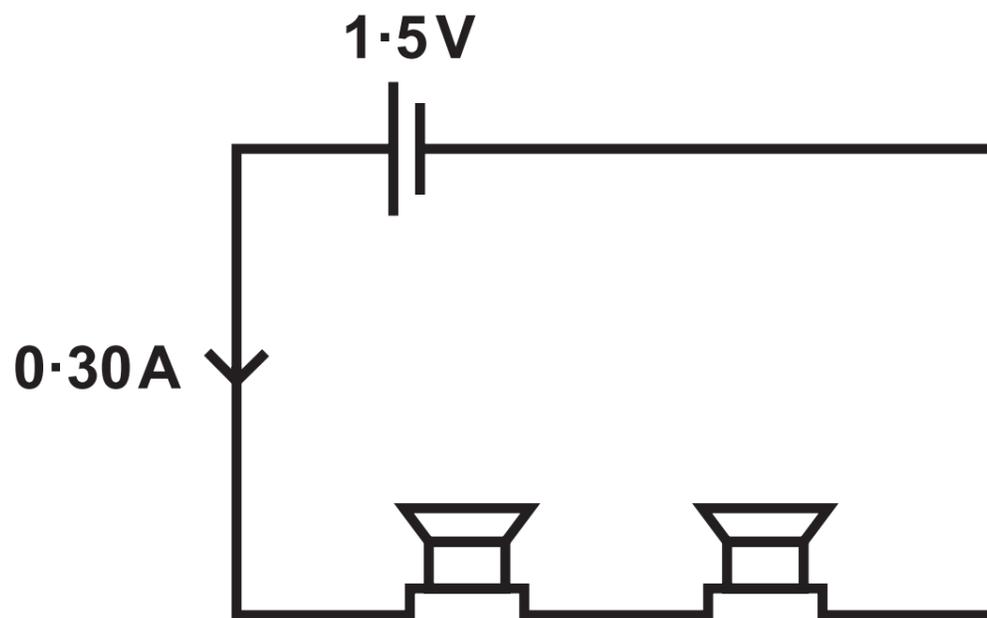
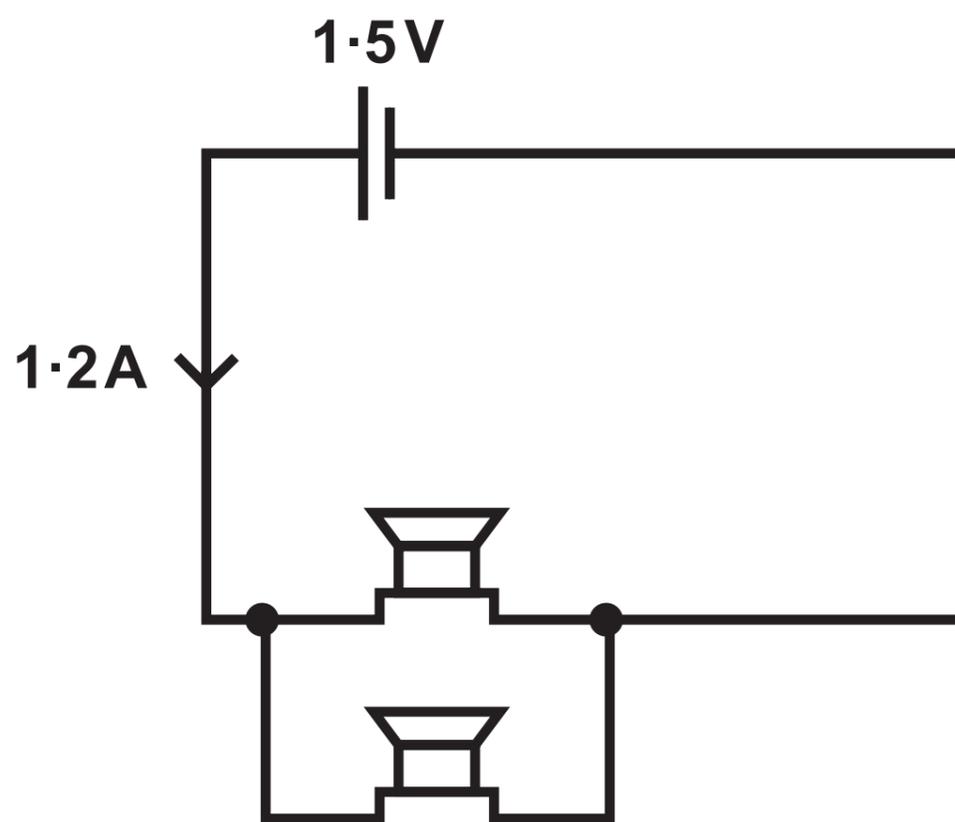
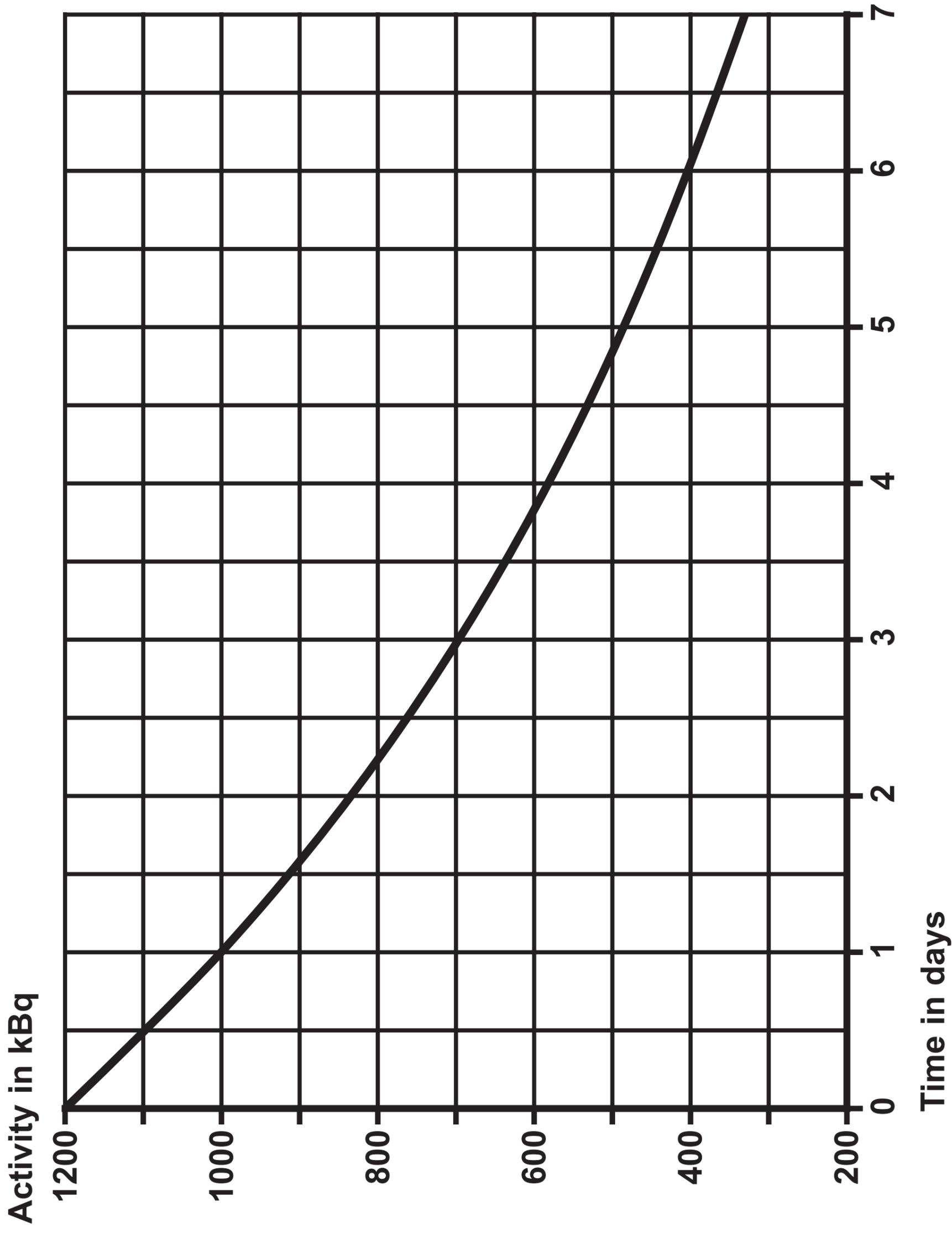


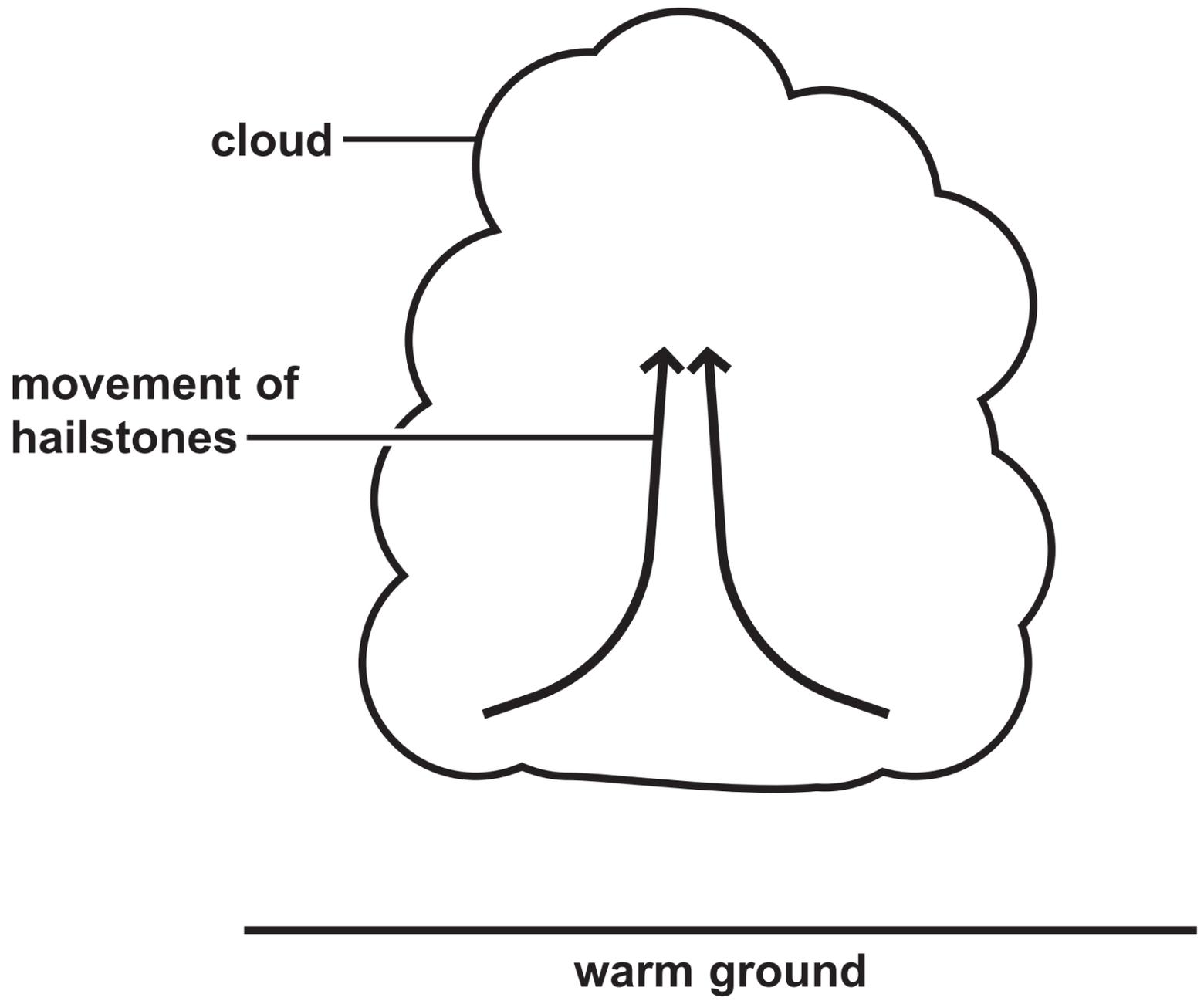
DIAGRAM 4



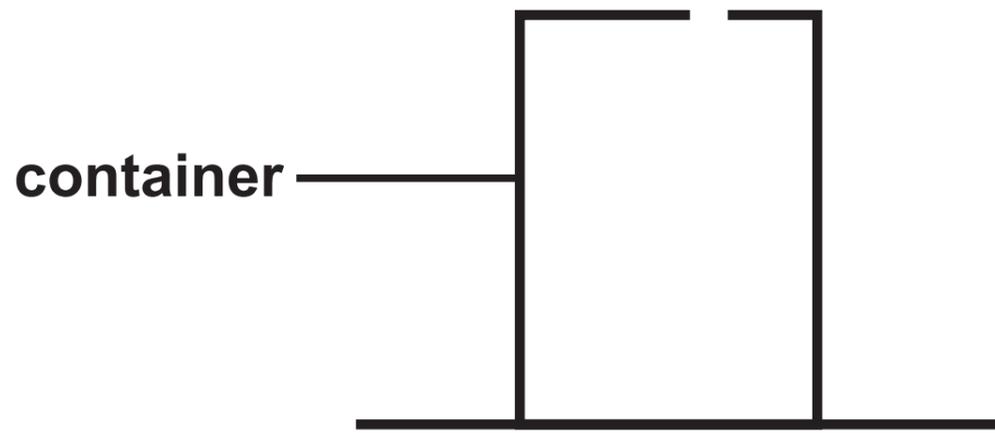
## Question 7(b)



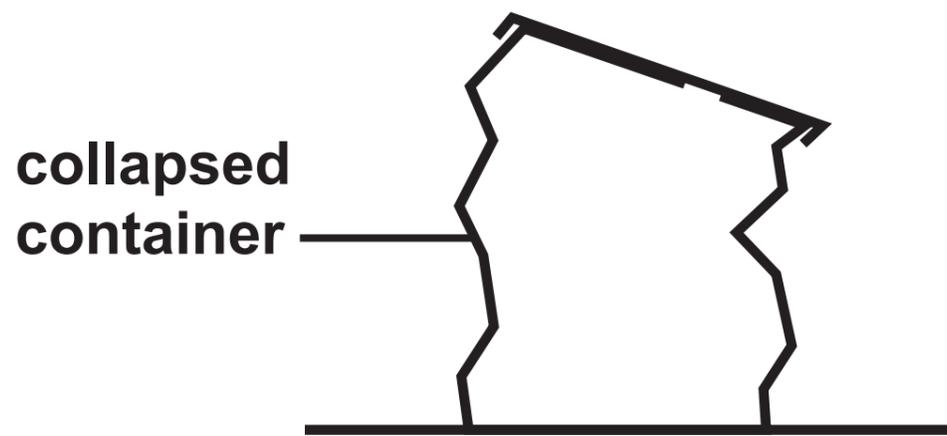
Question 8(b)



Question 9

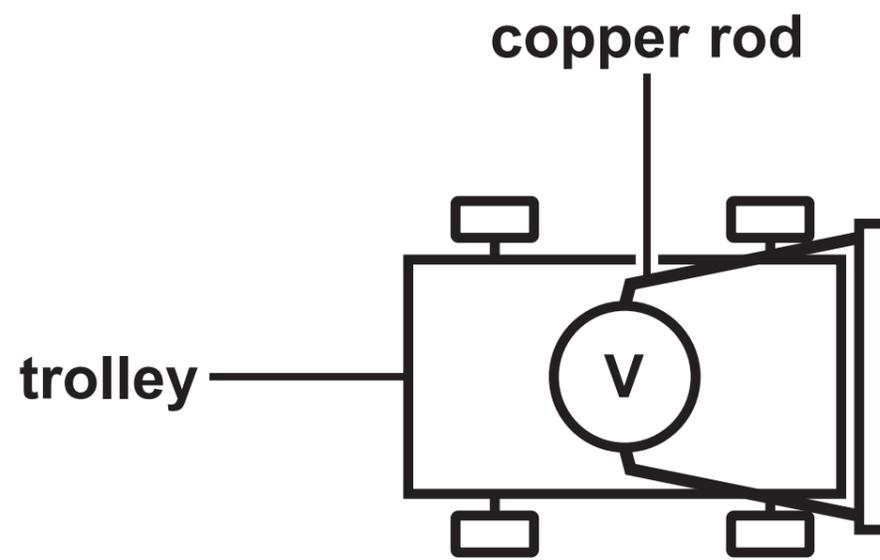


Question 9(c)



## Question 10

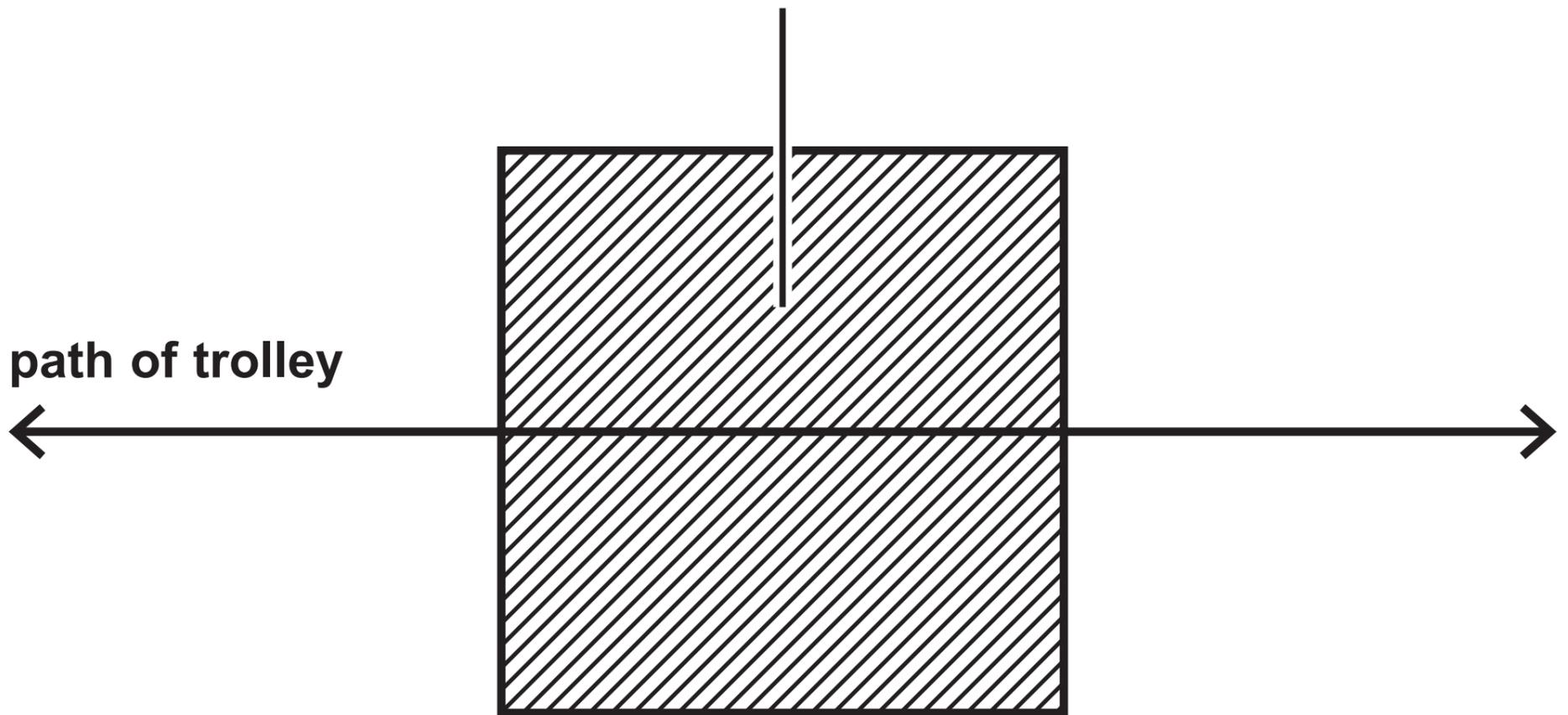
DIAGRAM 1



Question 10(a)

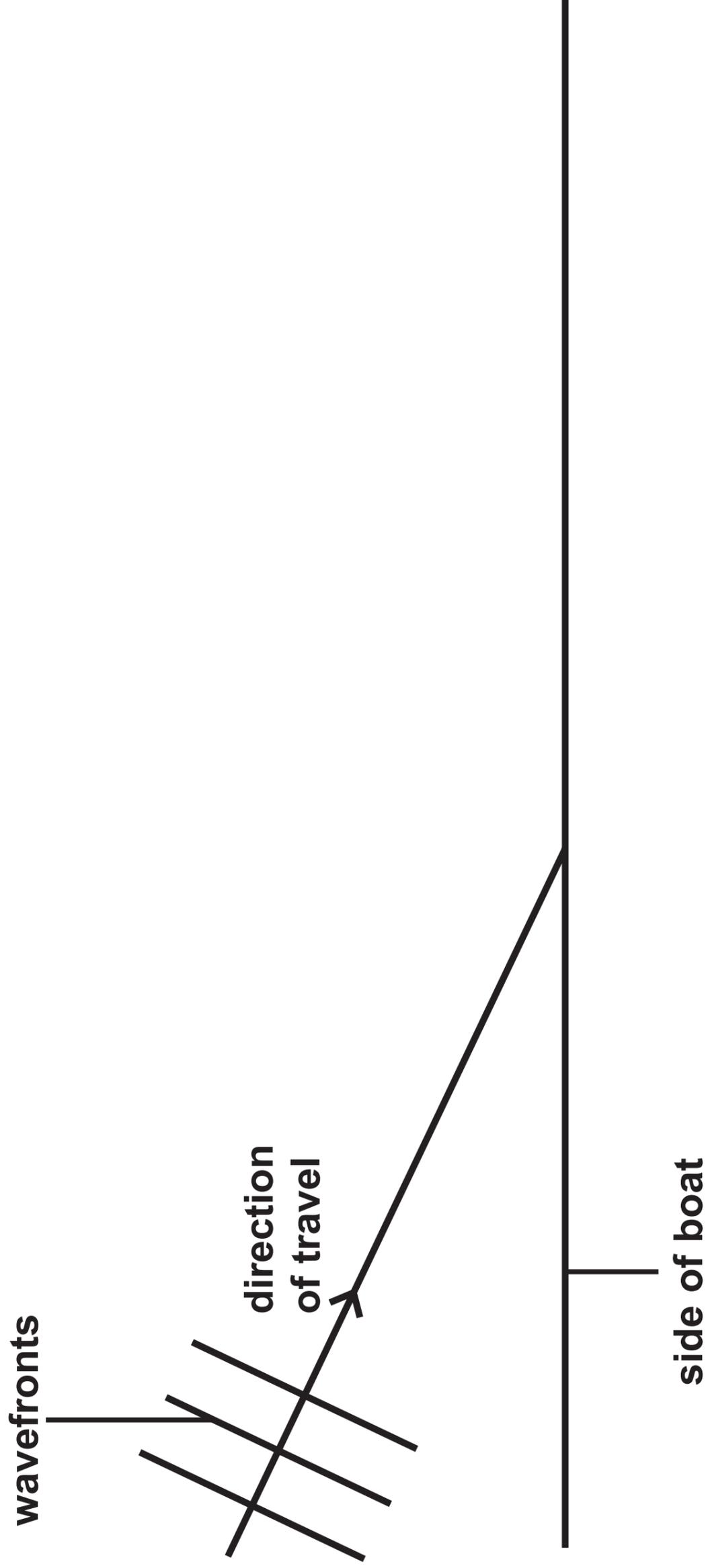
DIAGRAM 2

magnetic field into page



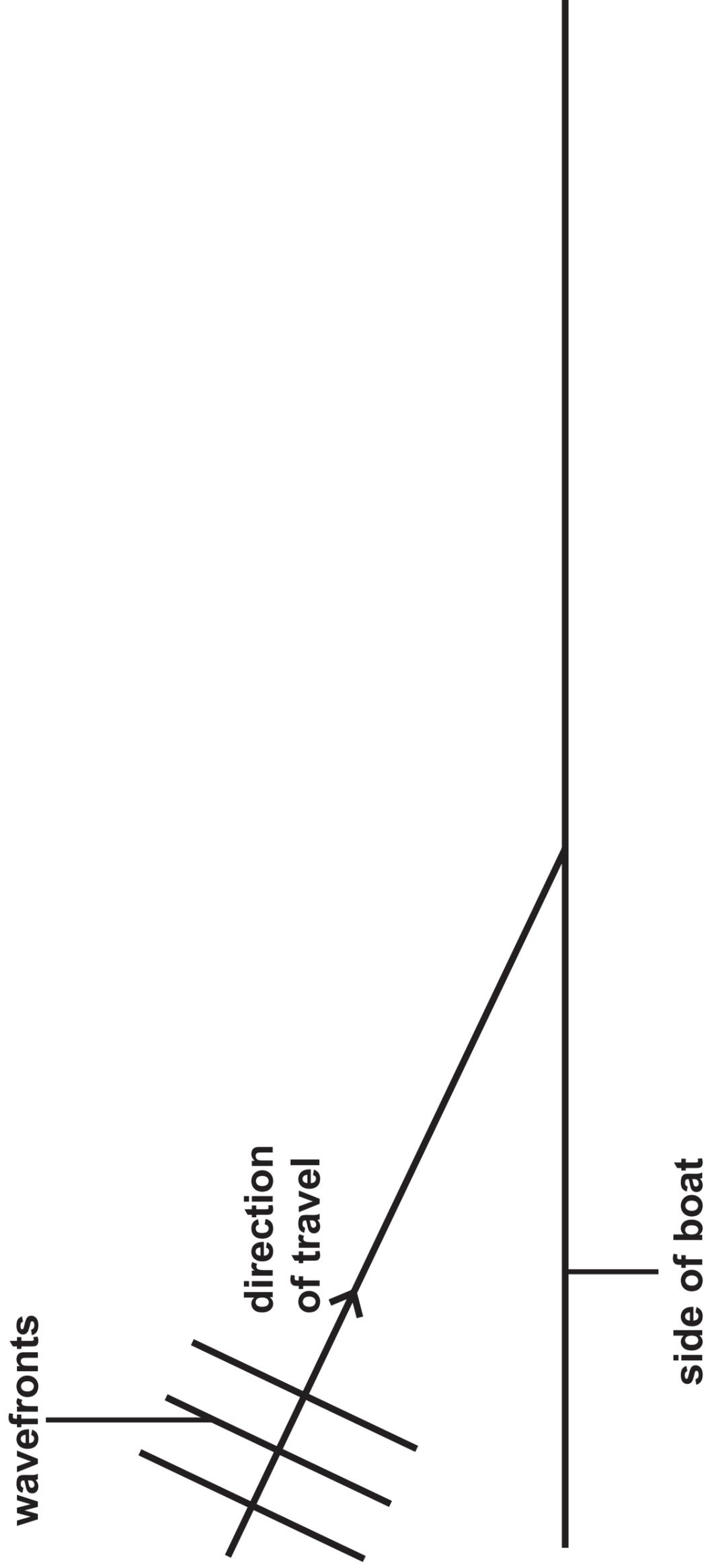
Question 11(a)

DIAGRAM 1



Question 11(a)

DIAGRAM 1



Question 11(b)(ii)

DIAGRAM 2

