

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

Diagram Booklet

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.

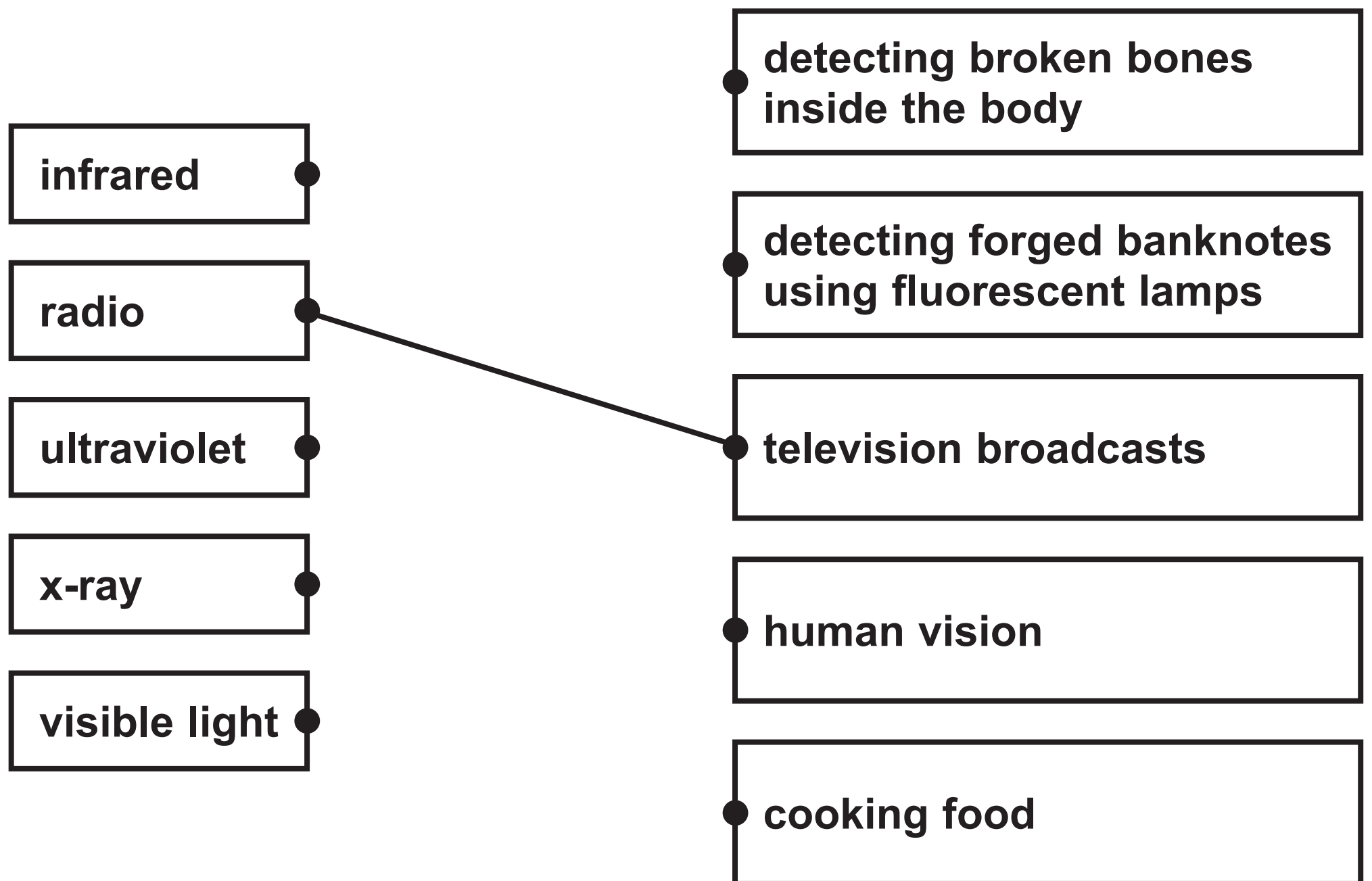
THIS DIAGRAM BOOKLET MUST BE RETURNED WITH THE QUESTION PAPER AT THE END OF THE EXAMINATION.

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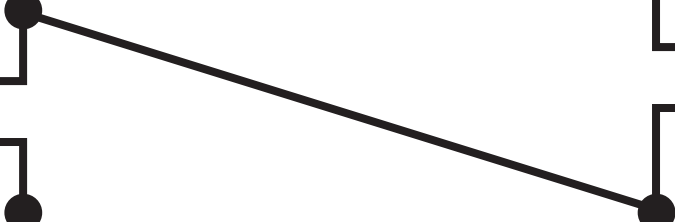
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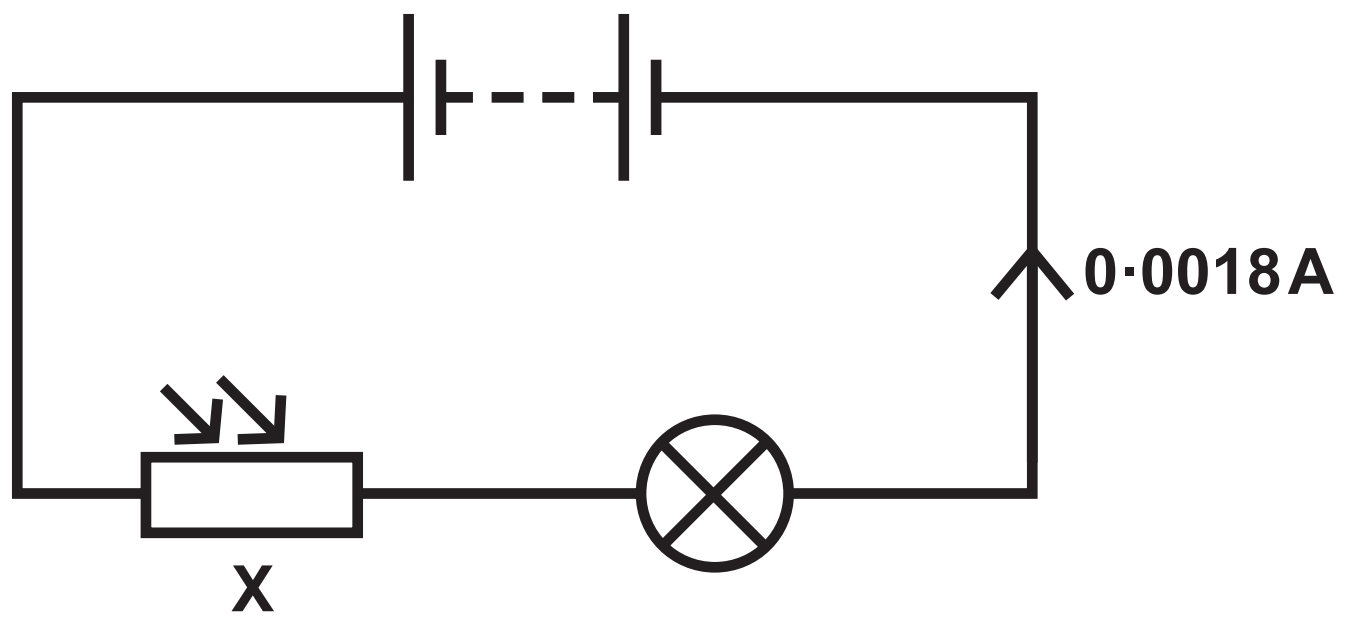
Question 2(a)

**Electromagnetic
wave**

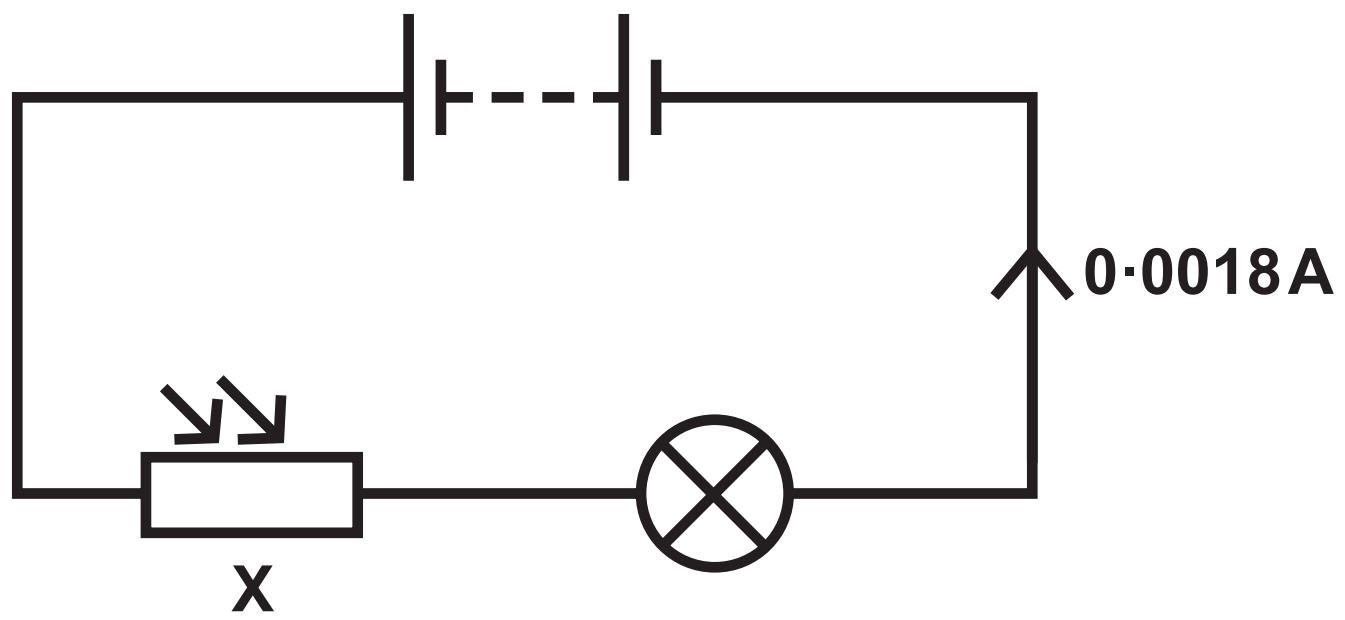
Question 2(a)

**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**

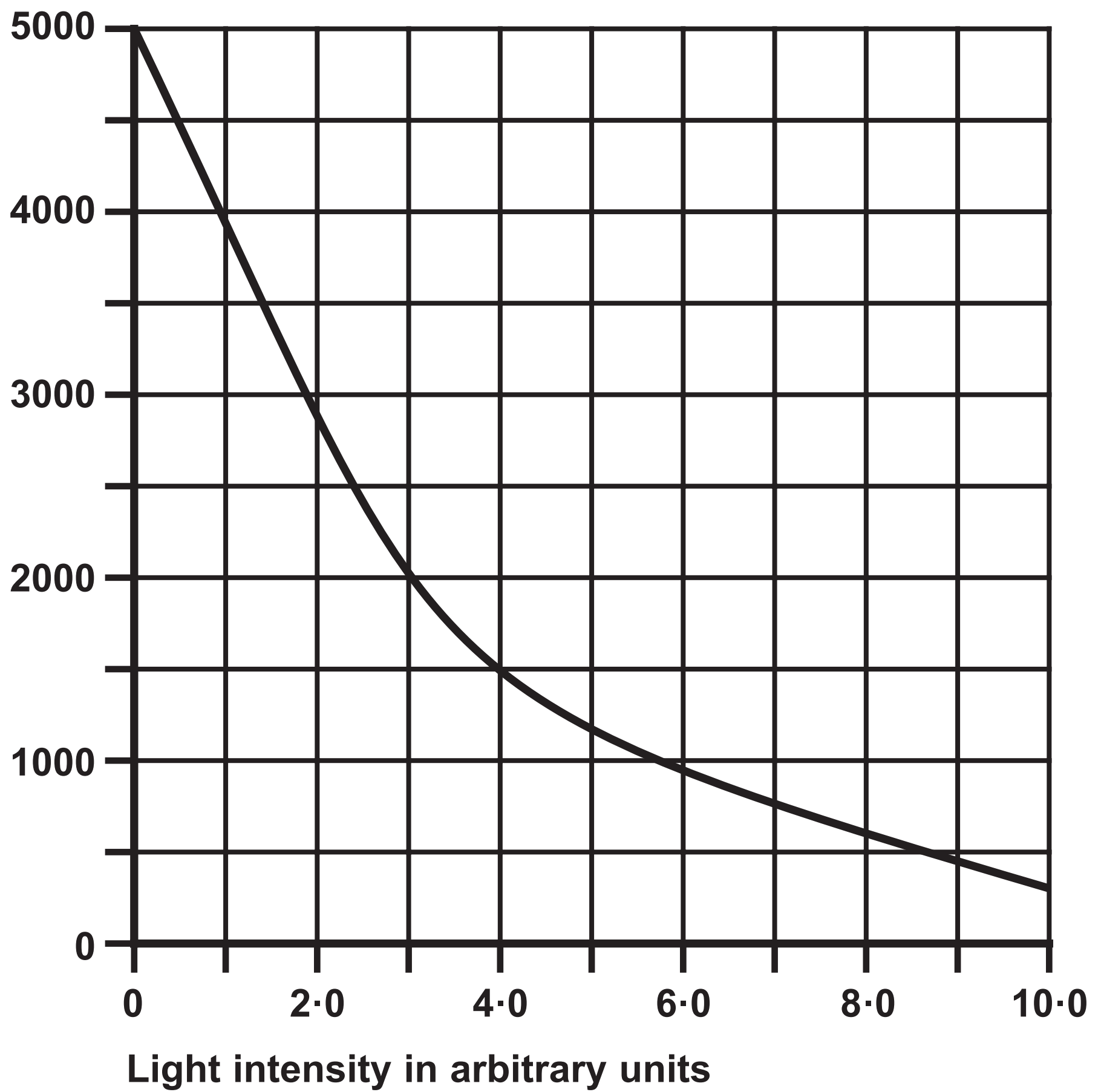
Question 3



Question 3

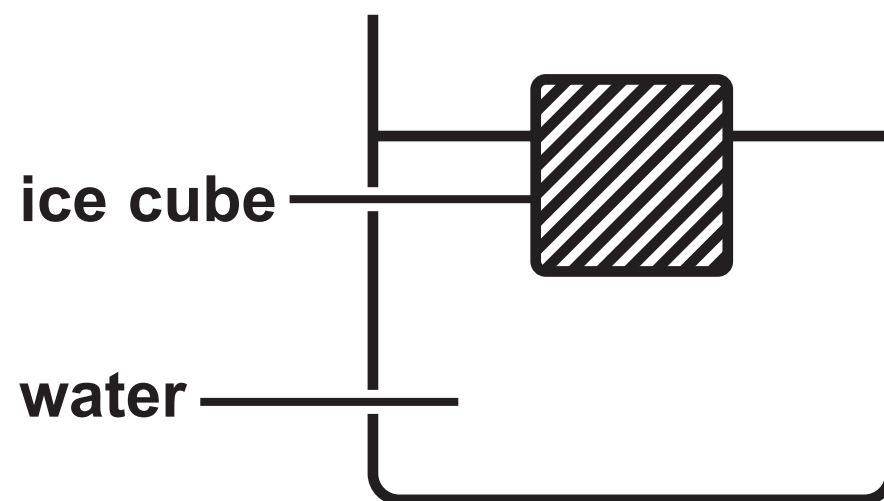


Question 3(b)

Resistance in Ω 

Question 4(a)

DIAGRAM 1



Question 4(b)

DIAGRAM 2

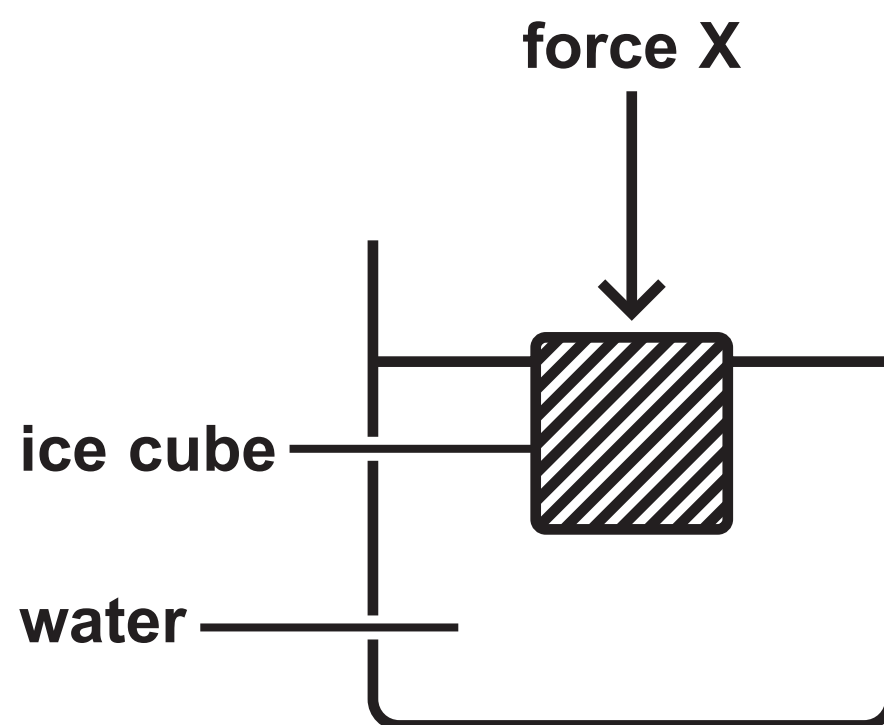


TABLE 2

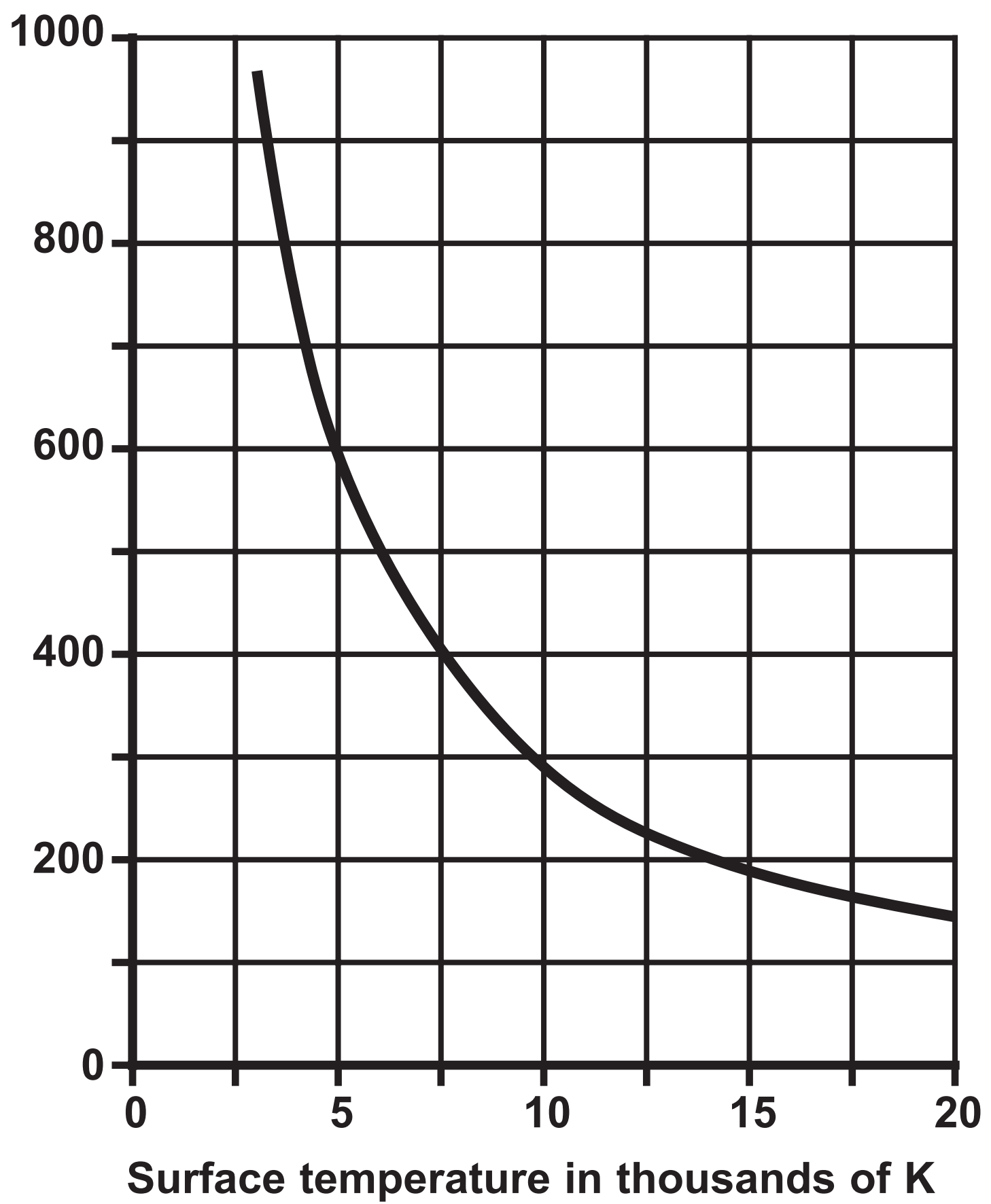
Coolest —————→ Hottest				
				Rigel

TABLE 2

Coolest —————→ Hottest				
				Rigel

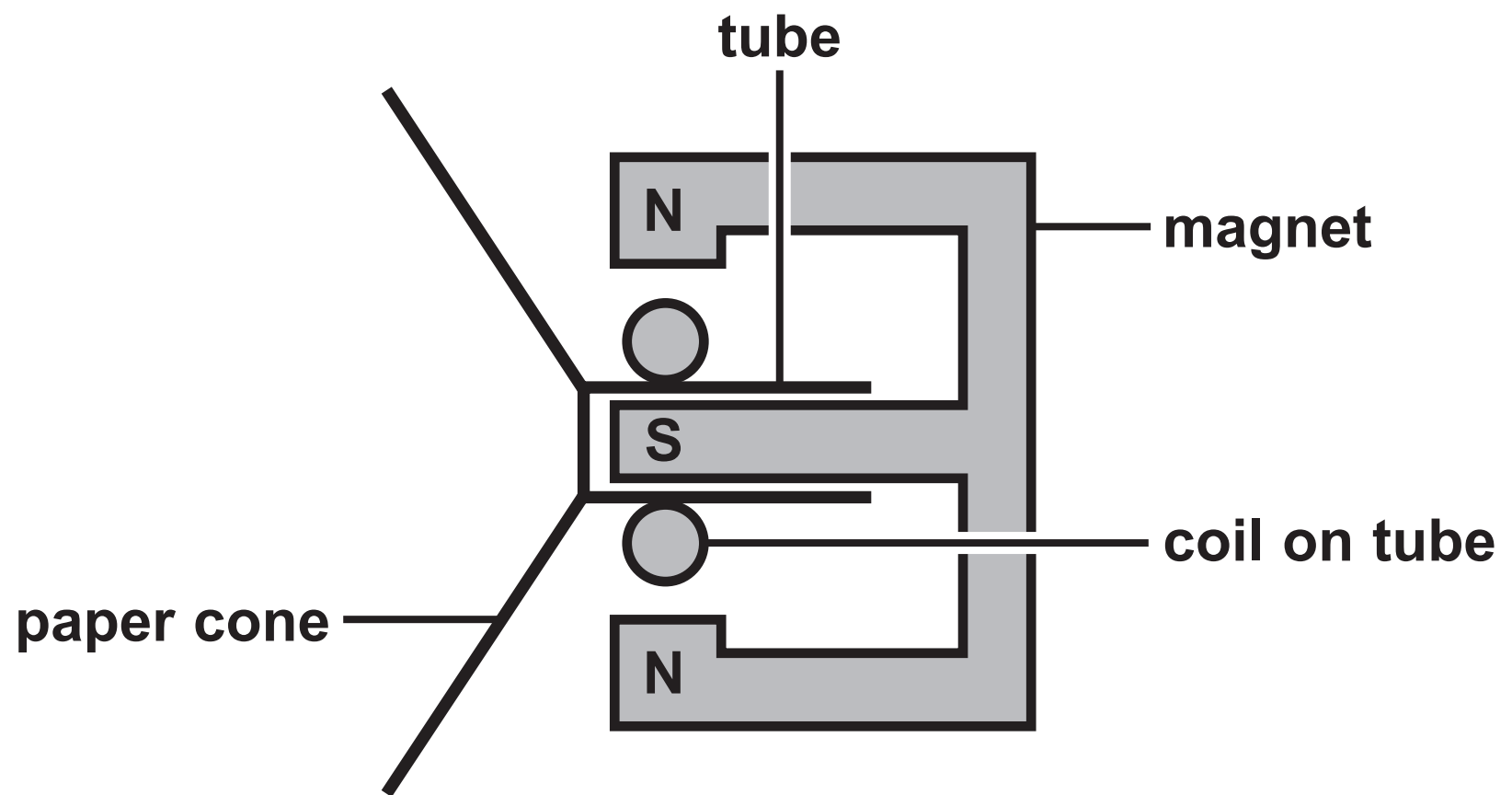
Question 5(c)

Peak wavelength in nm



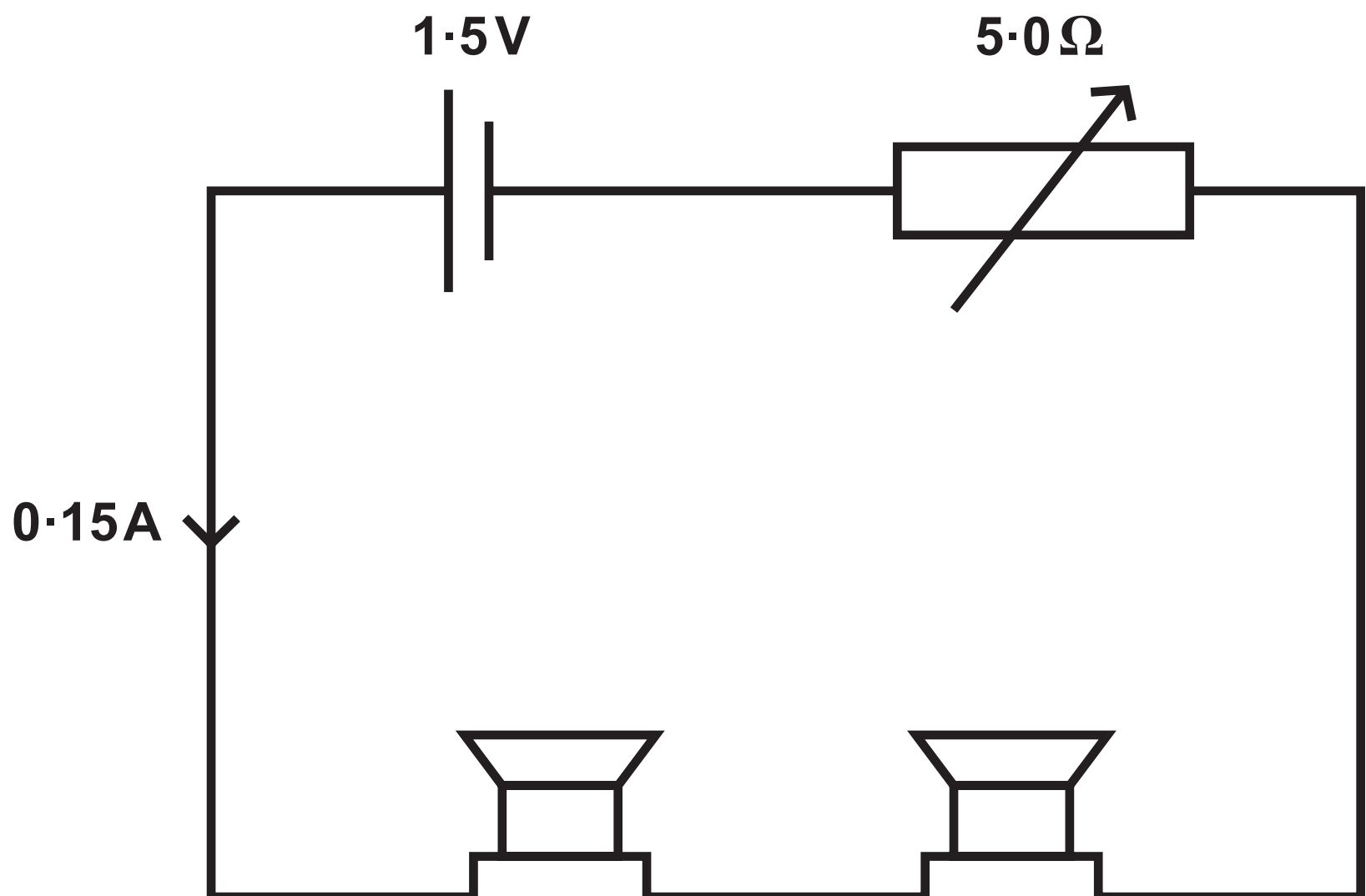
Question 6(a)

DIAGRAM 1



Question 6(b)

DIAGRAM 2



Question 6(b)(ii)

[illegible]

Question 6(b)(ii)

[illegible]

Question 6(c)

DIAGRAM 3

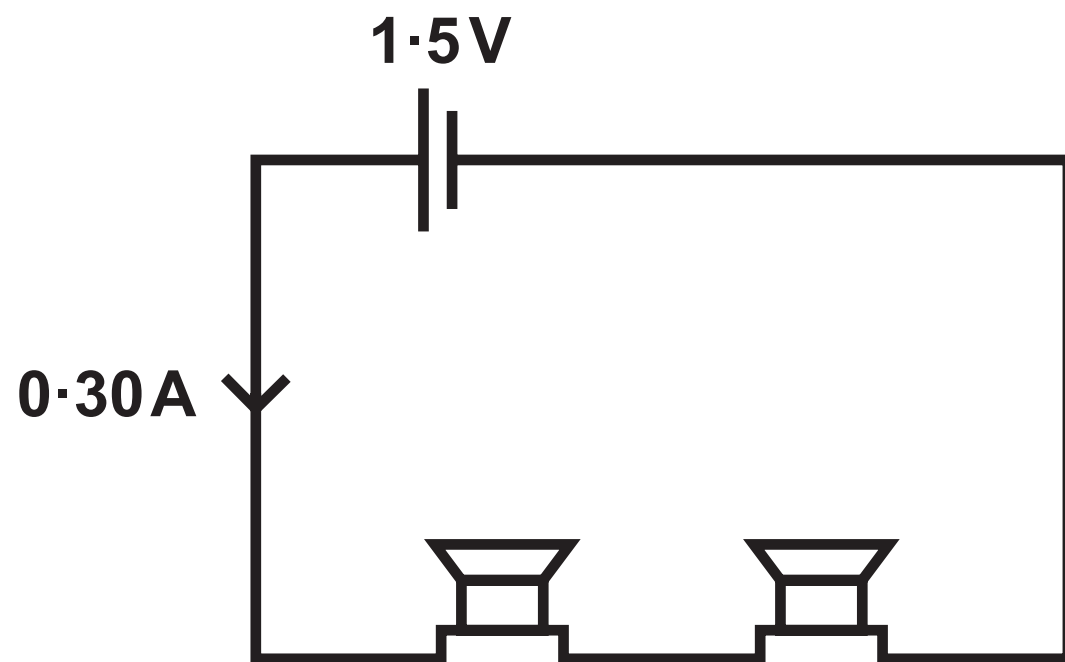
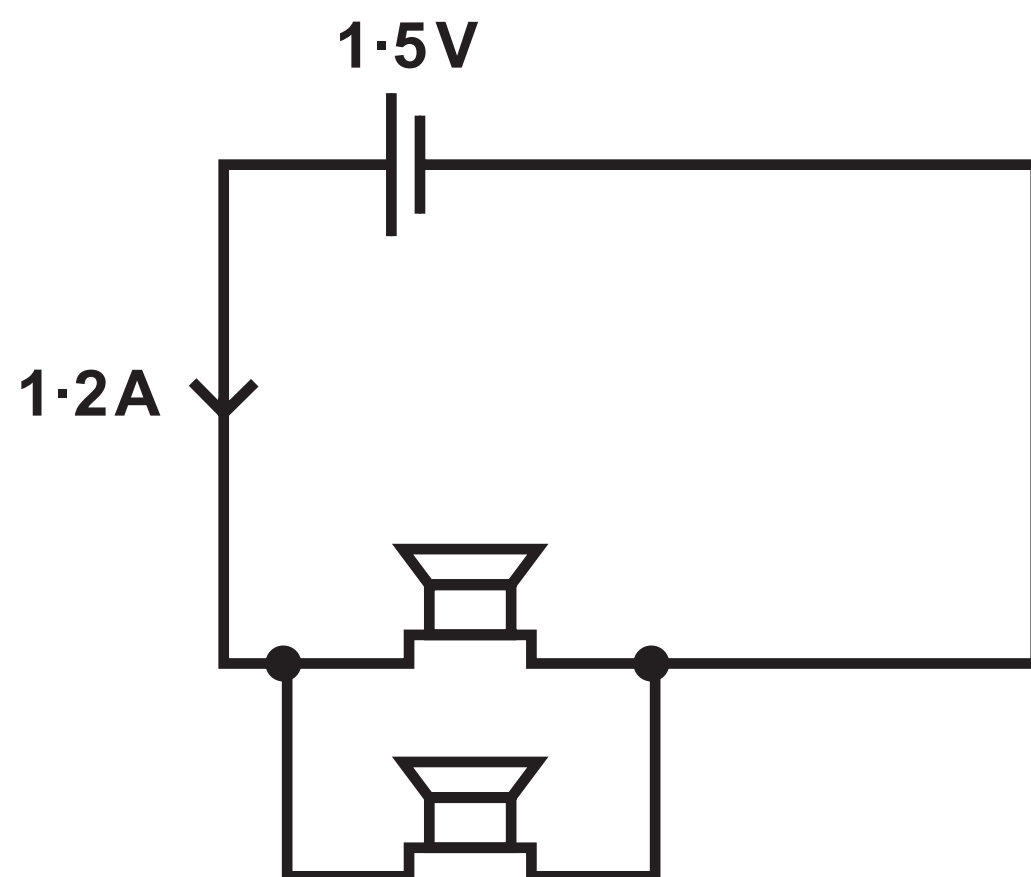
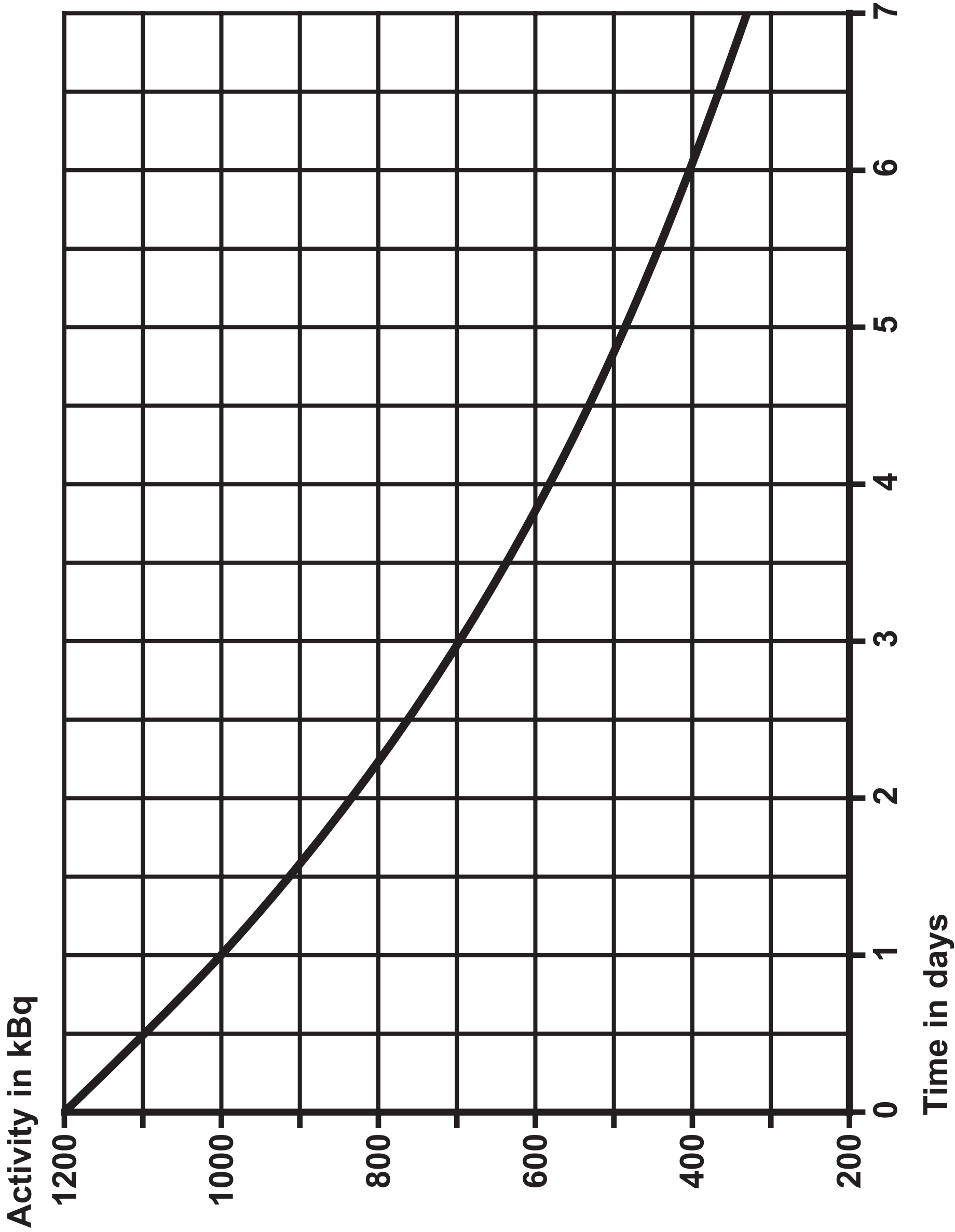


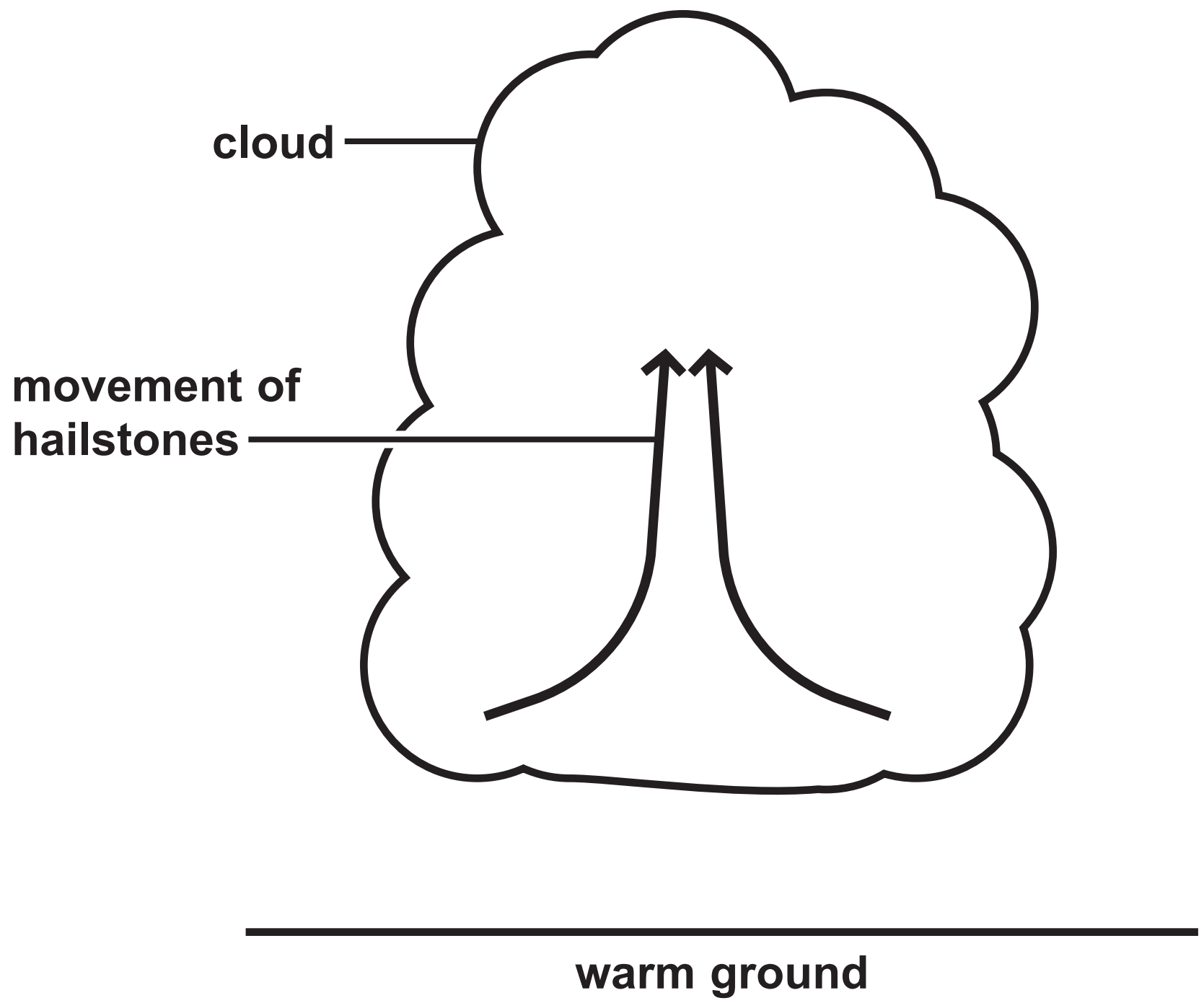
DIAGRAM 4



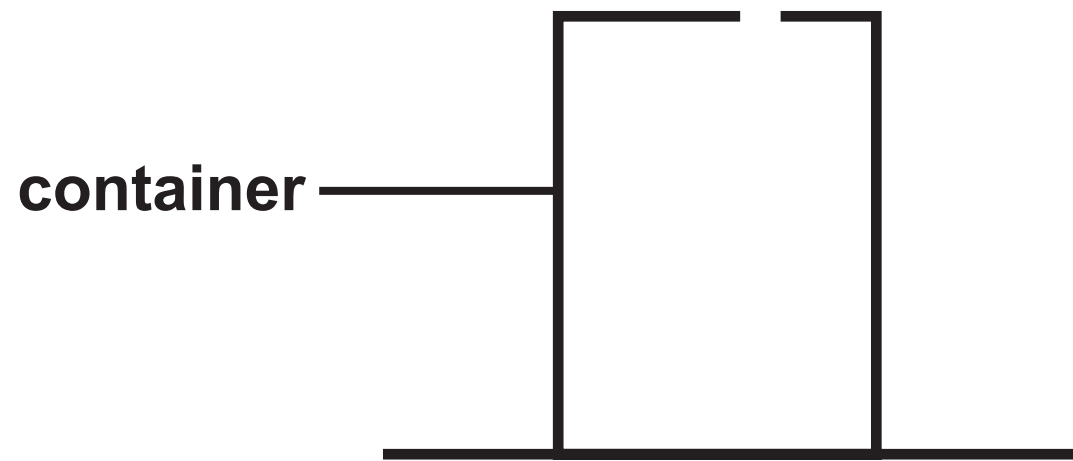
Question 7(b)



Question 8(b)

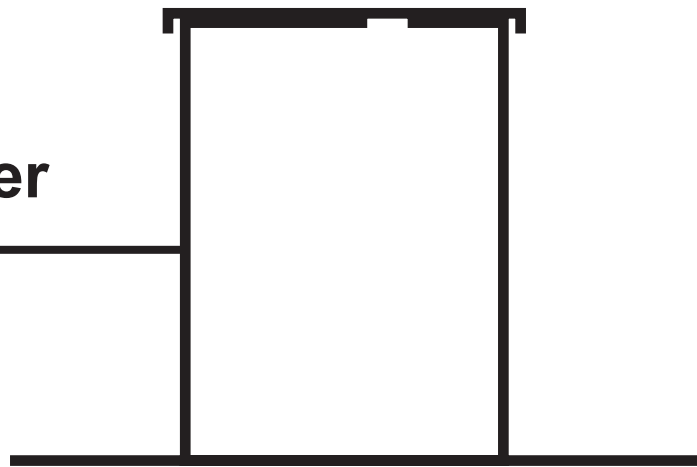


Question 9

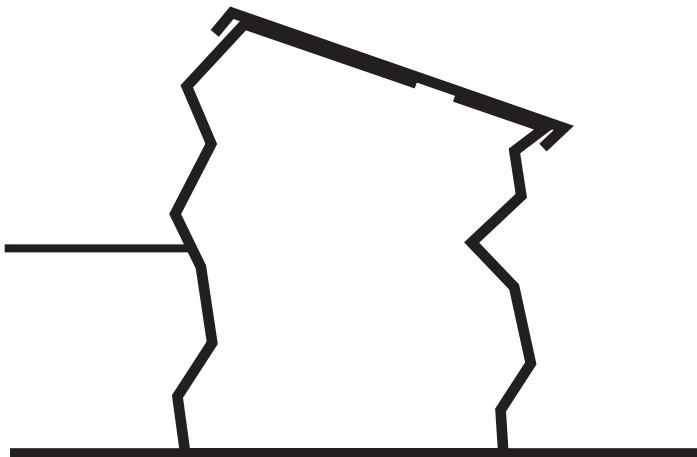


Question 9(c)

container
with lid

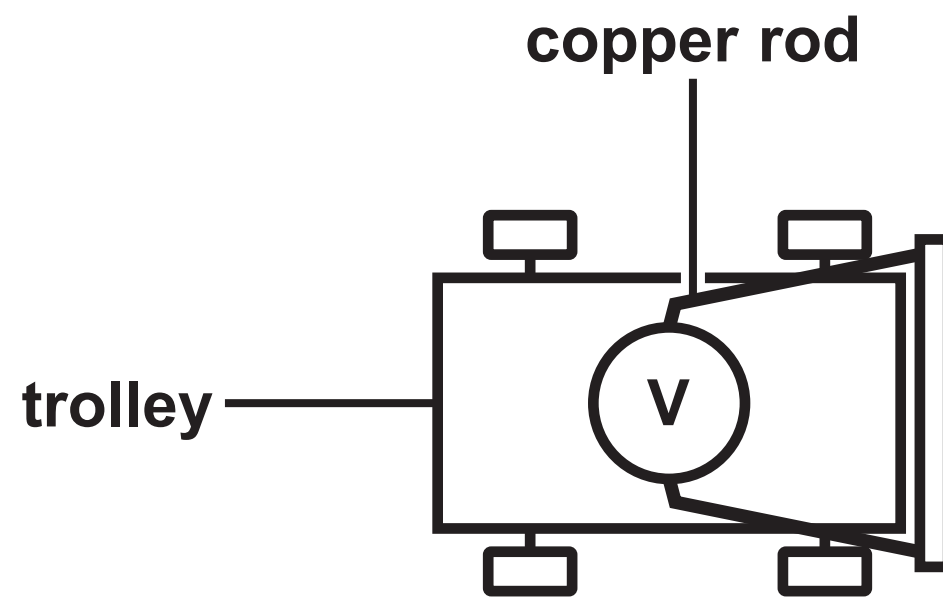


collapsed
container



Question 10

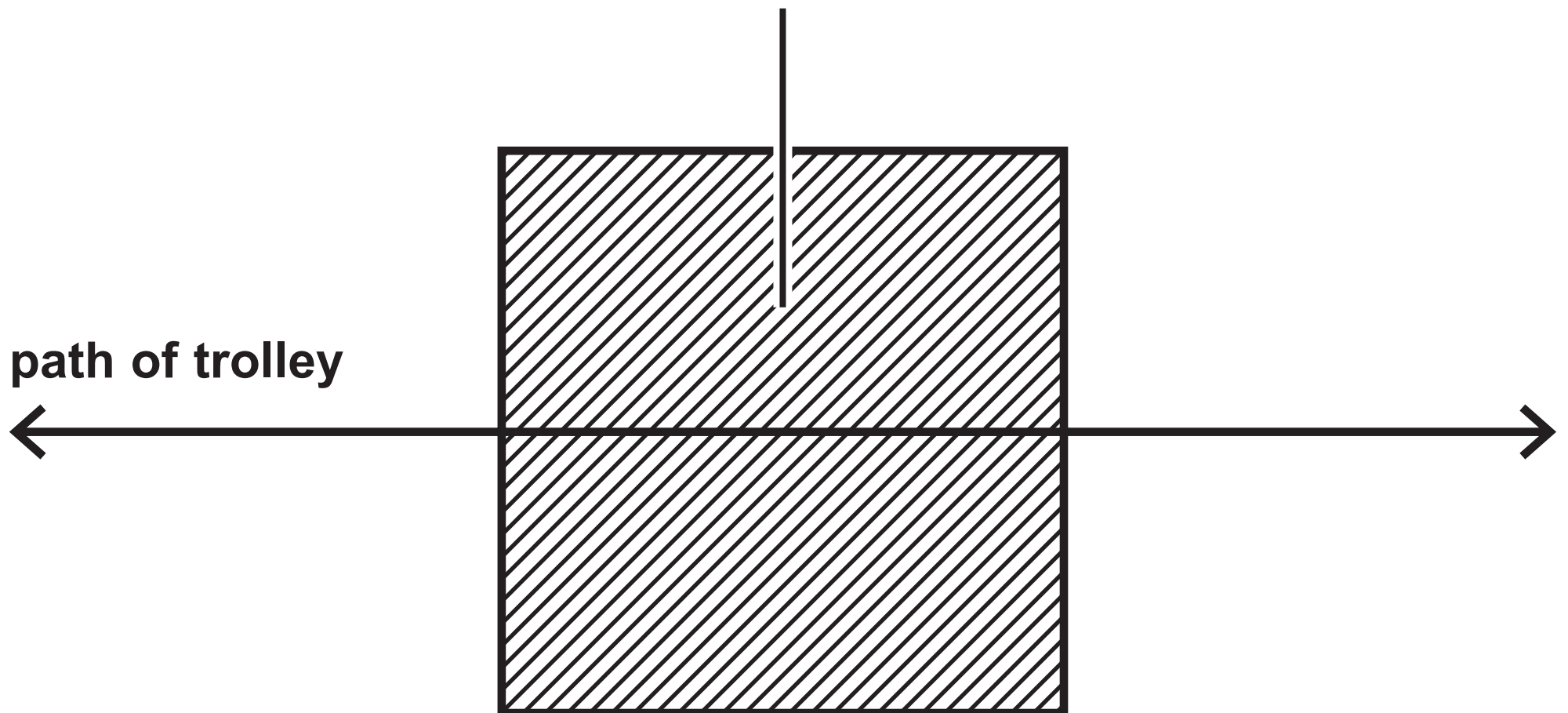
DIAGRAM 1



Question 10(a)

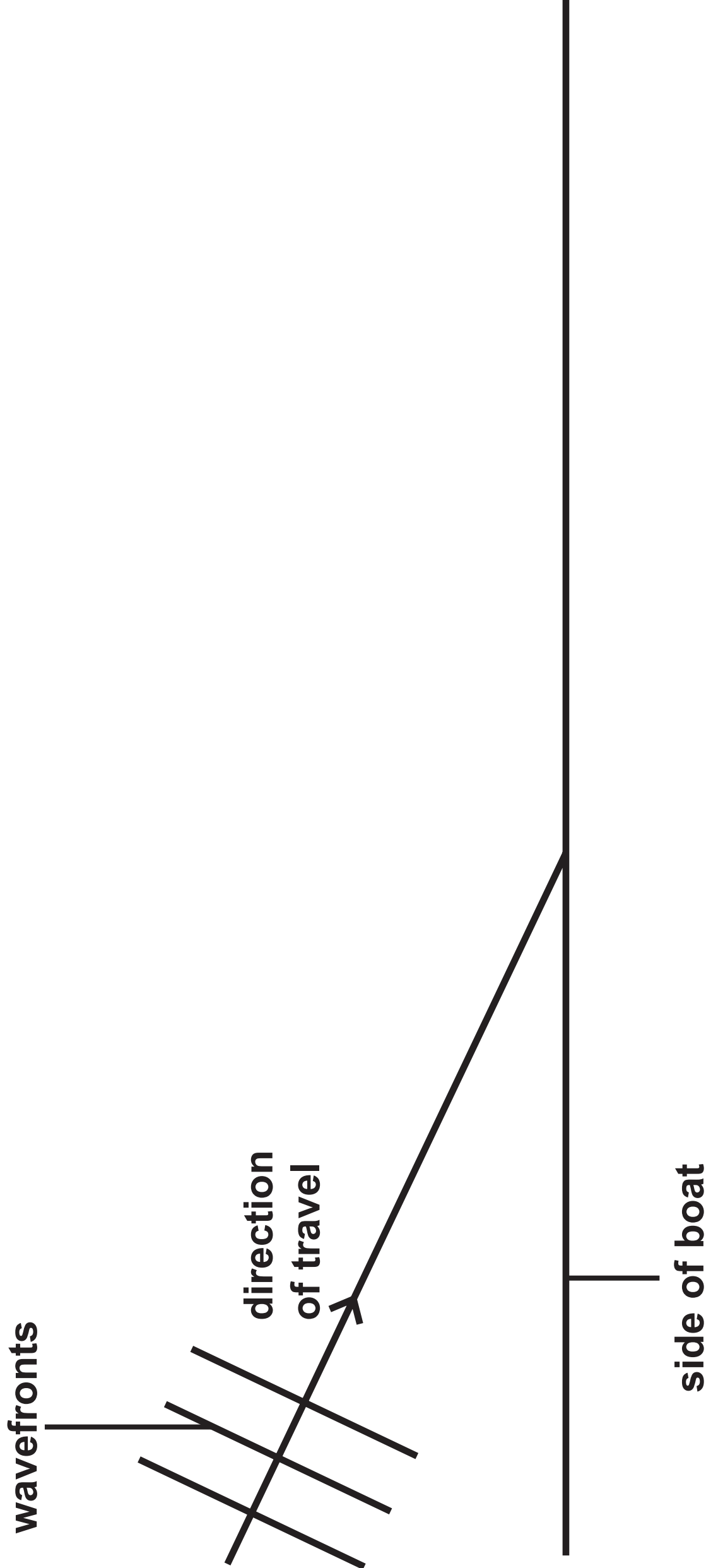
DIAGRAM 2

magnetic field into page



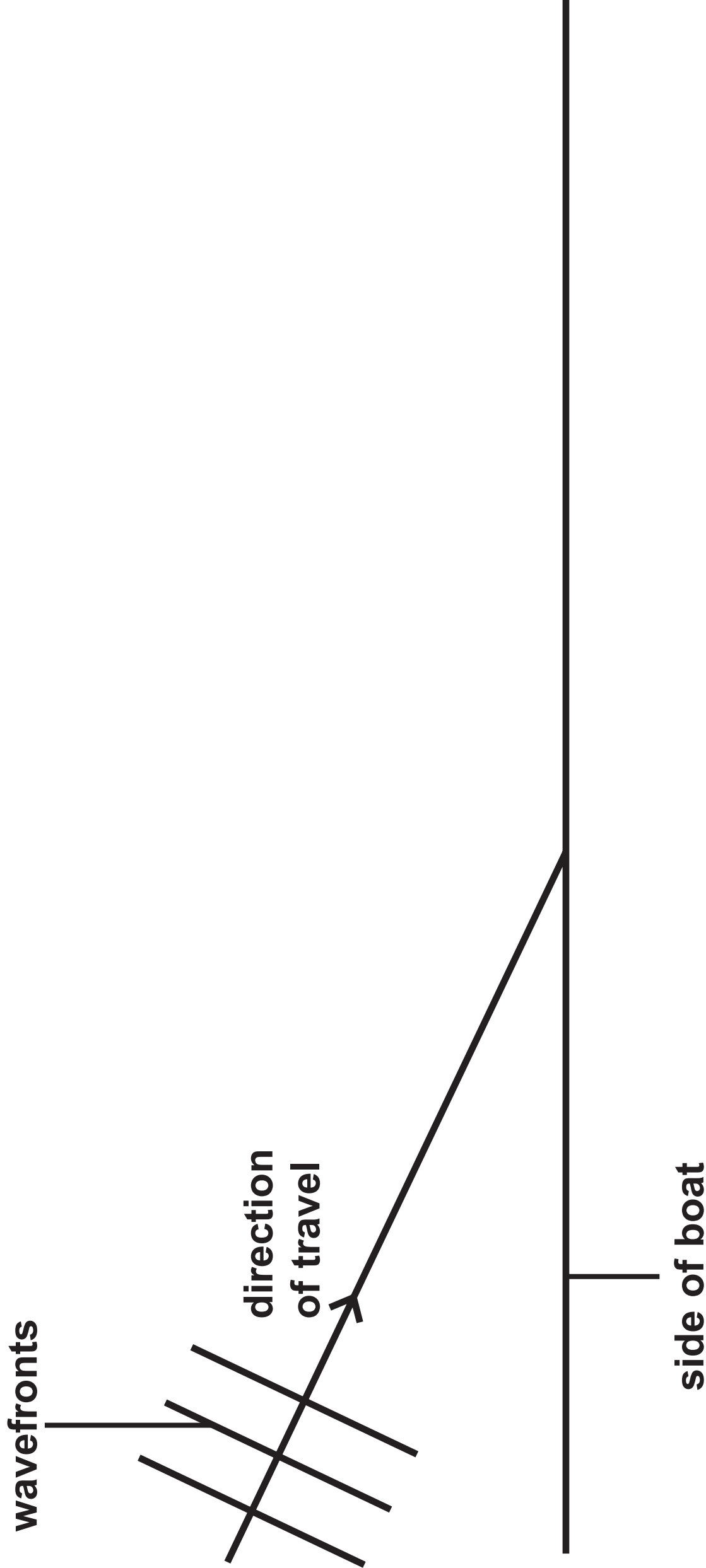
Question 11(a)

DIAGRAM 1



Question 11(a)

DIAGRAM 1



Question 11(b)(ii)

DIAGRAM 2

