

Physics  
Paper 1  
Higher Tier

Wednesday 20 May 2020 – Afternoon

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.**

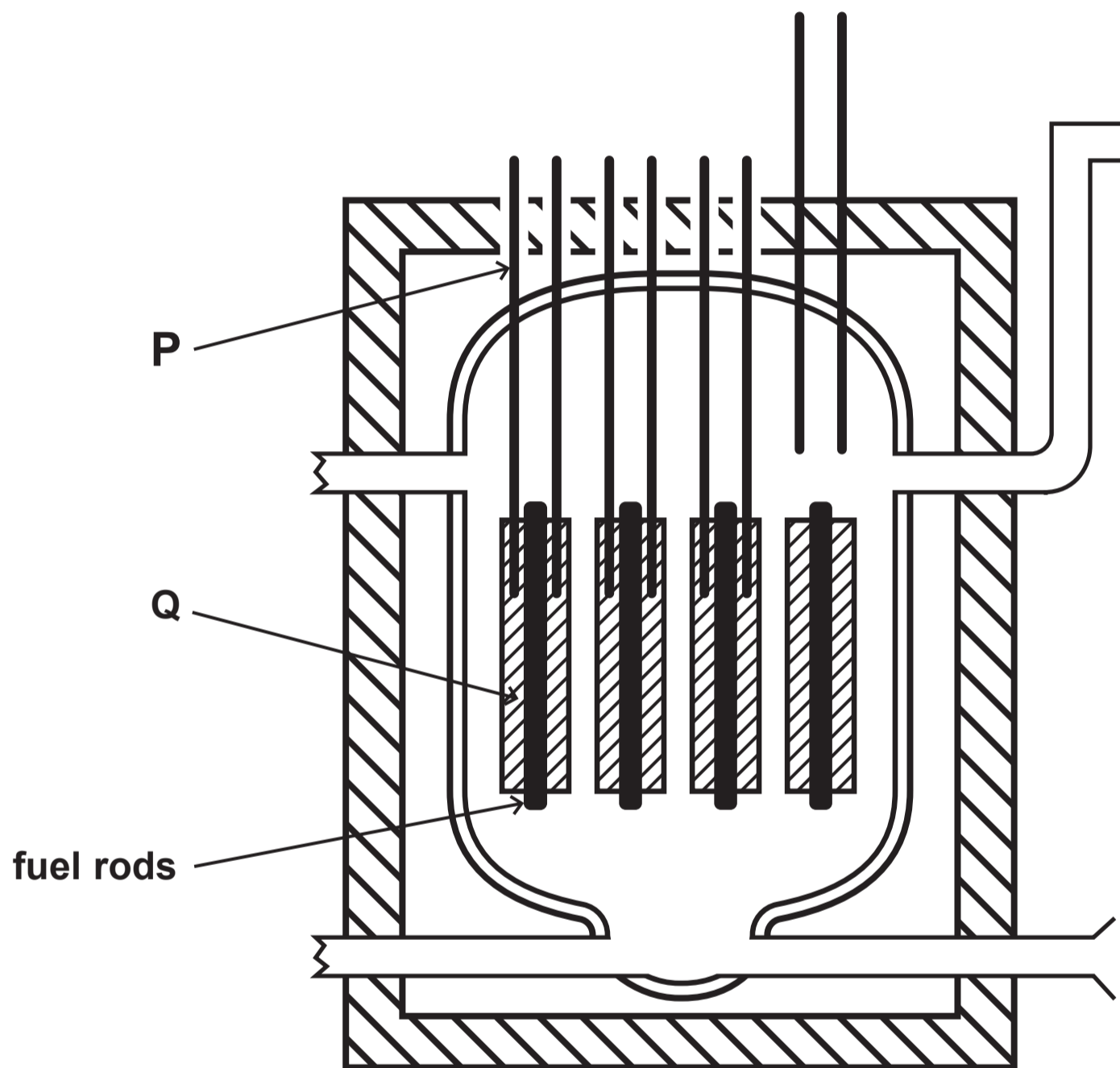
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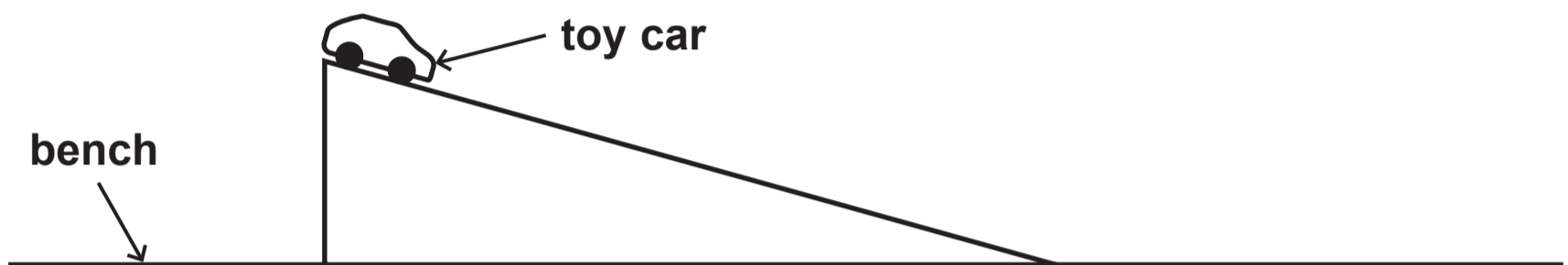
## Question 1(b)

Figure 1



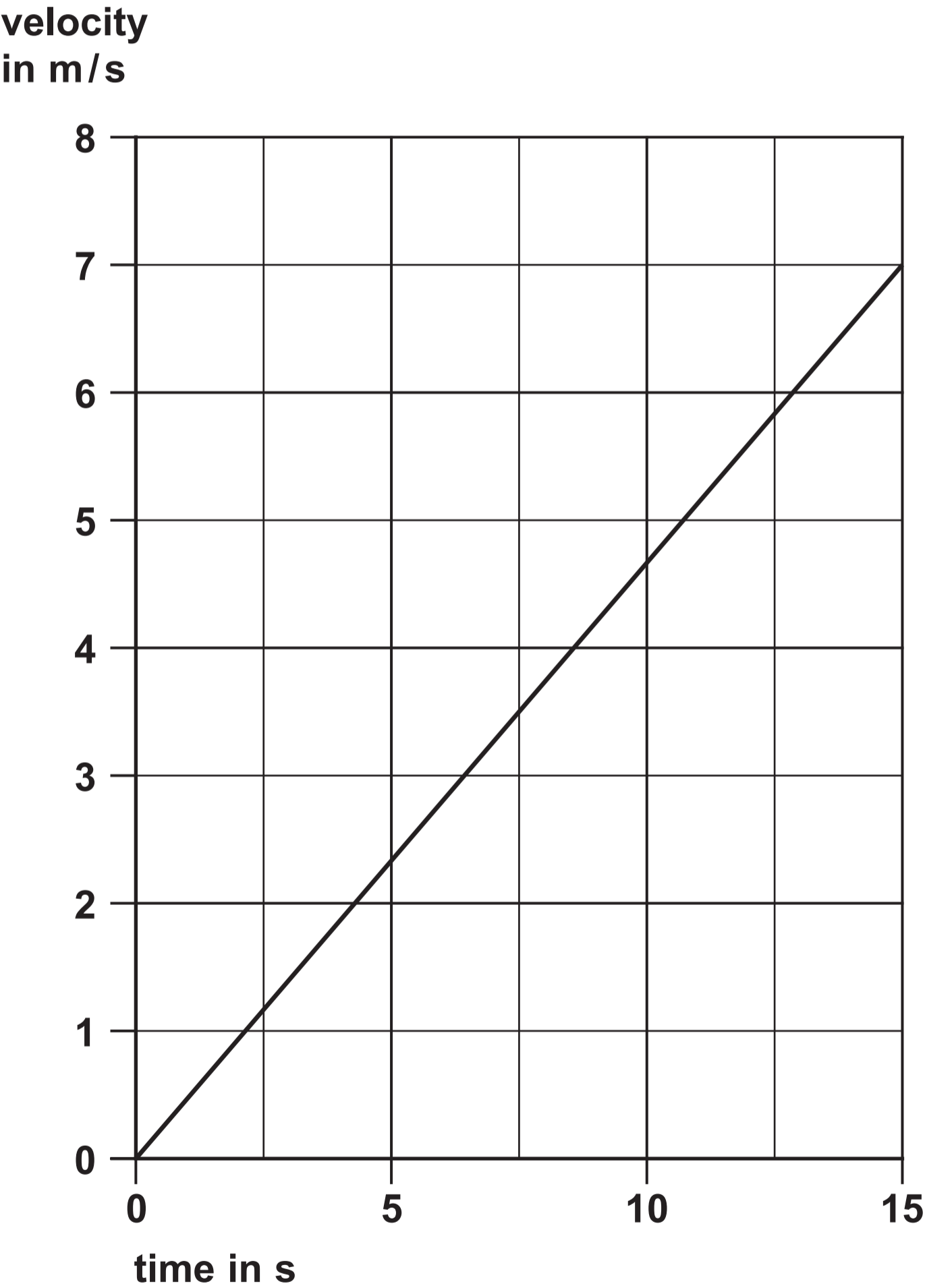
## Question 2

Figure 2



Question 3(c)

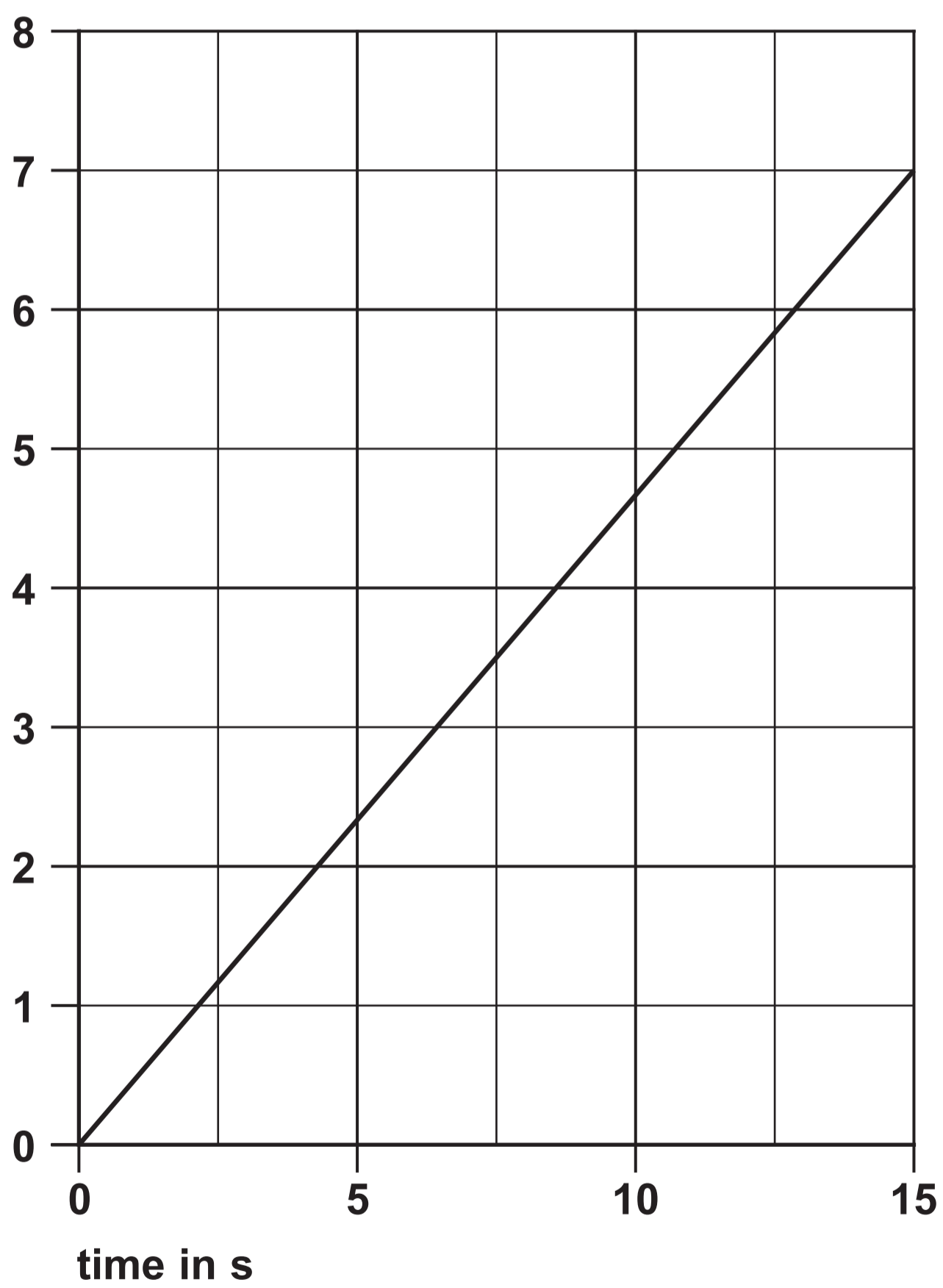
Figure 3



## Question 3(c) (Spare copy)

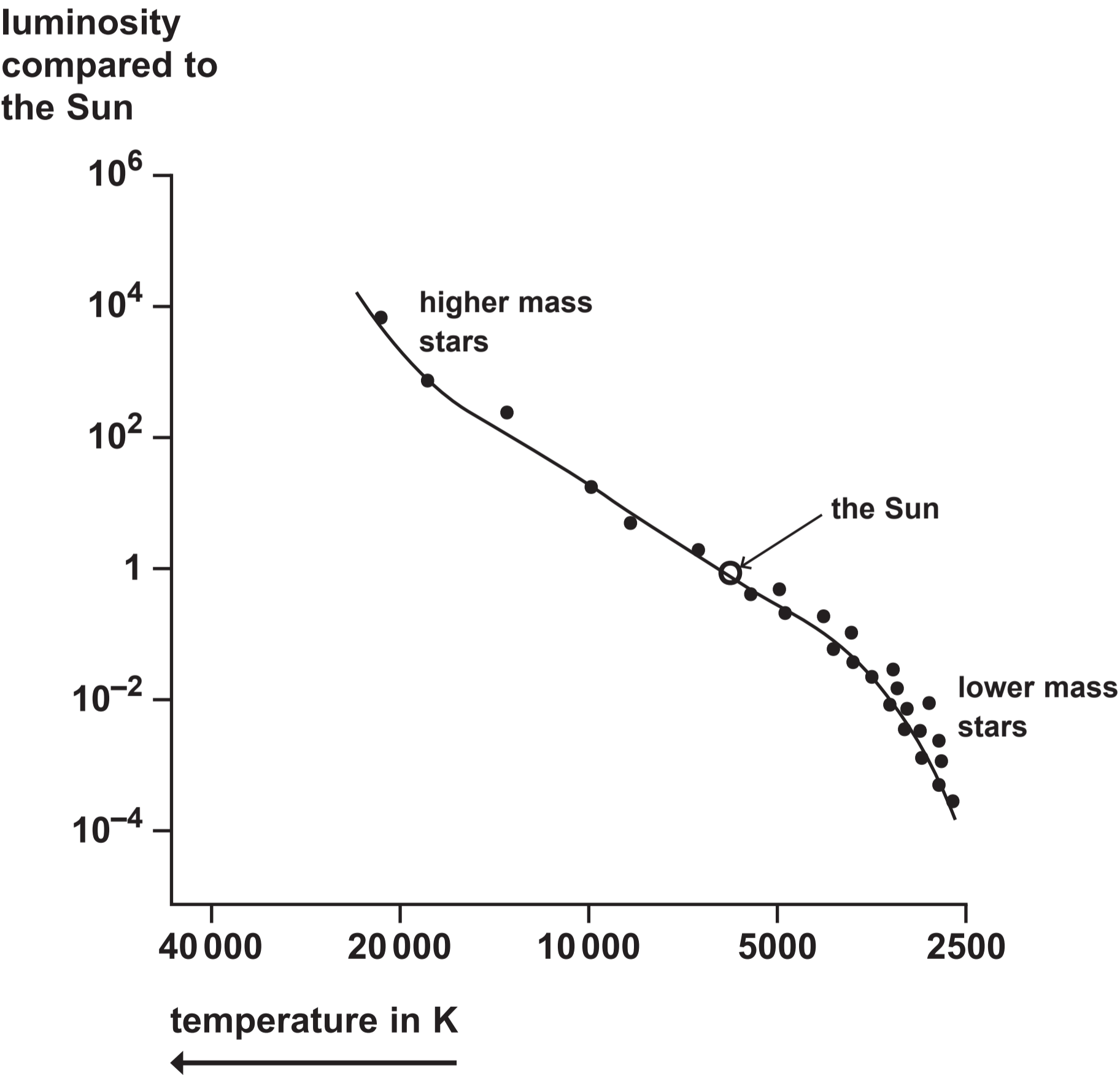
Figure 3

velocity  
in m/s



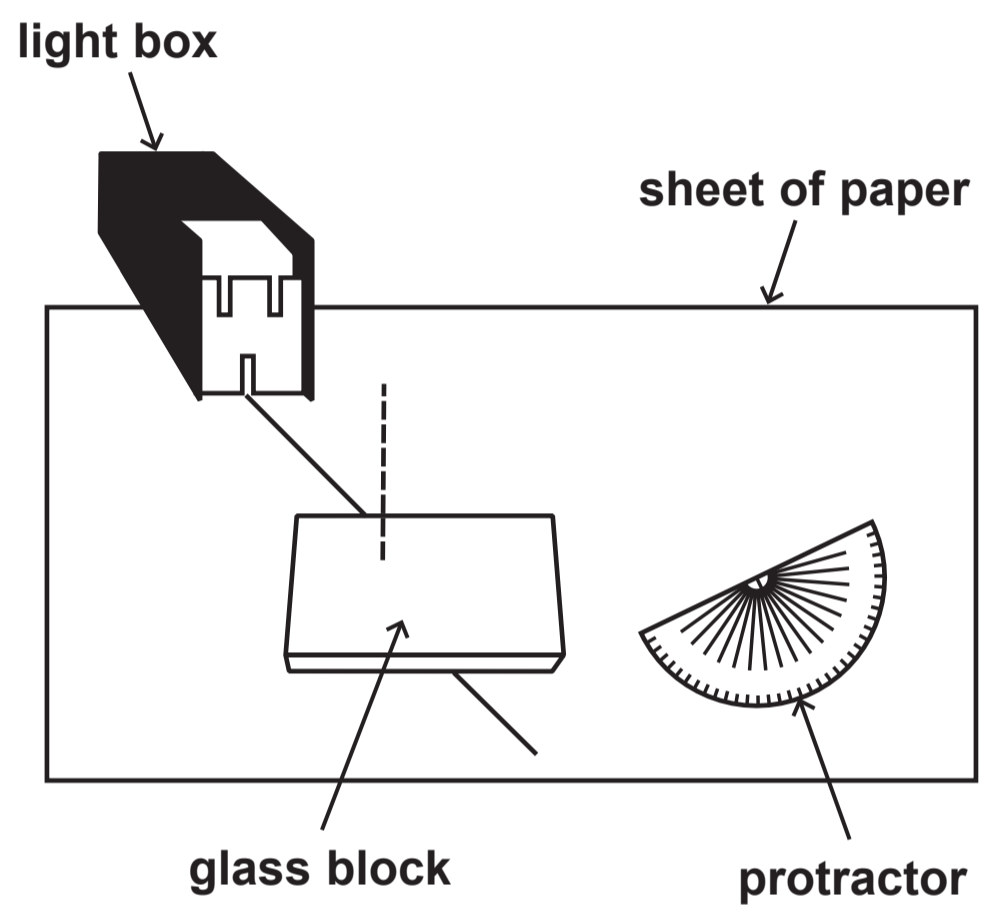
Question 4(b)

Figure 4



## Question 5(b)

Figure 5



## Question 5(c)

Figure 6

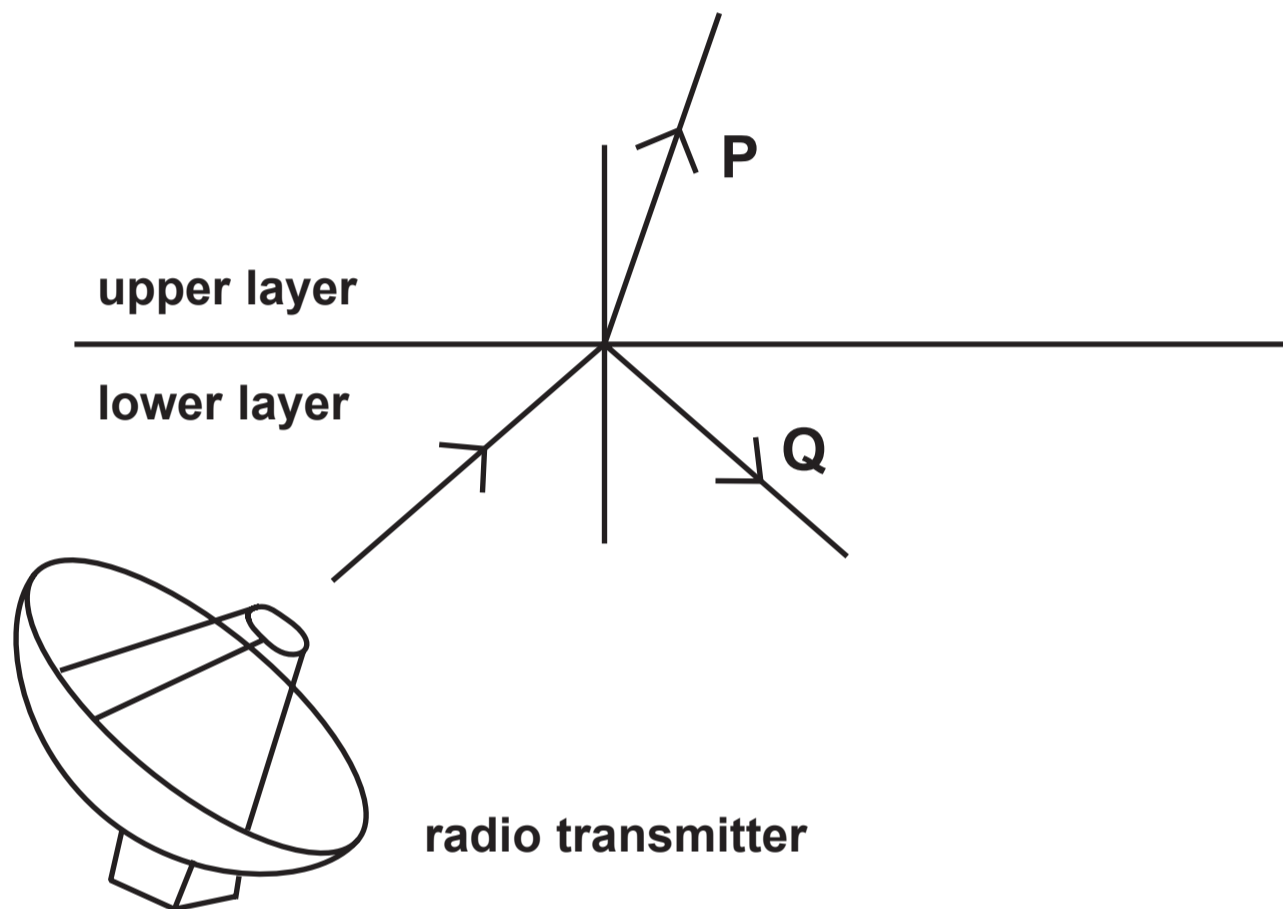
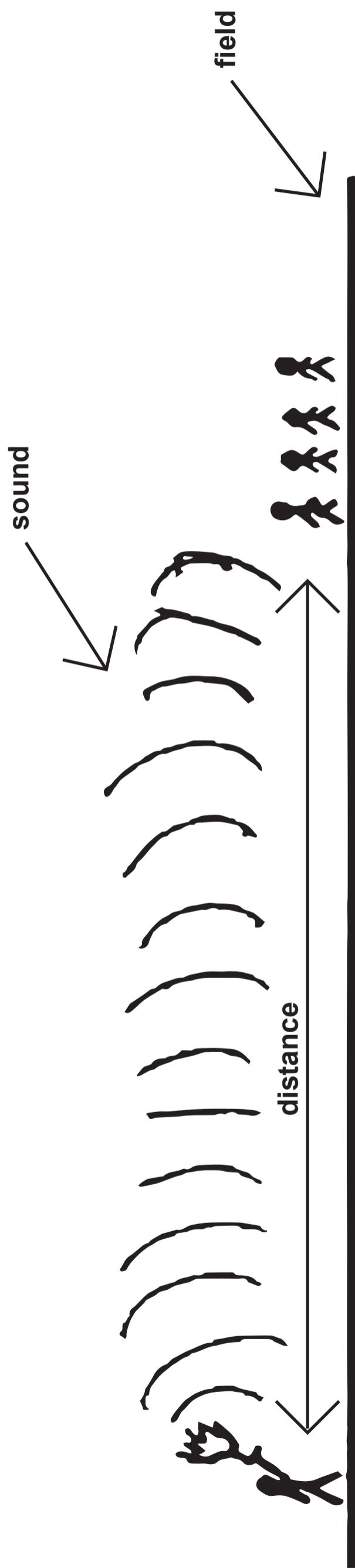
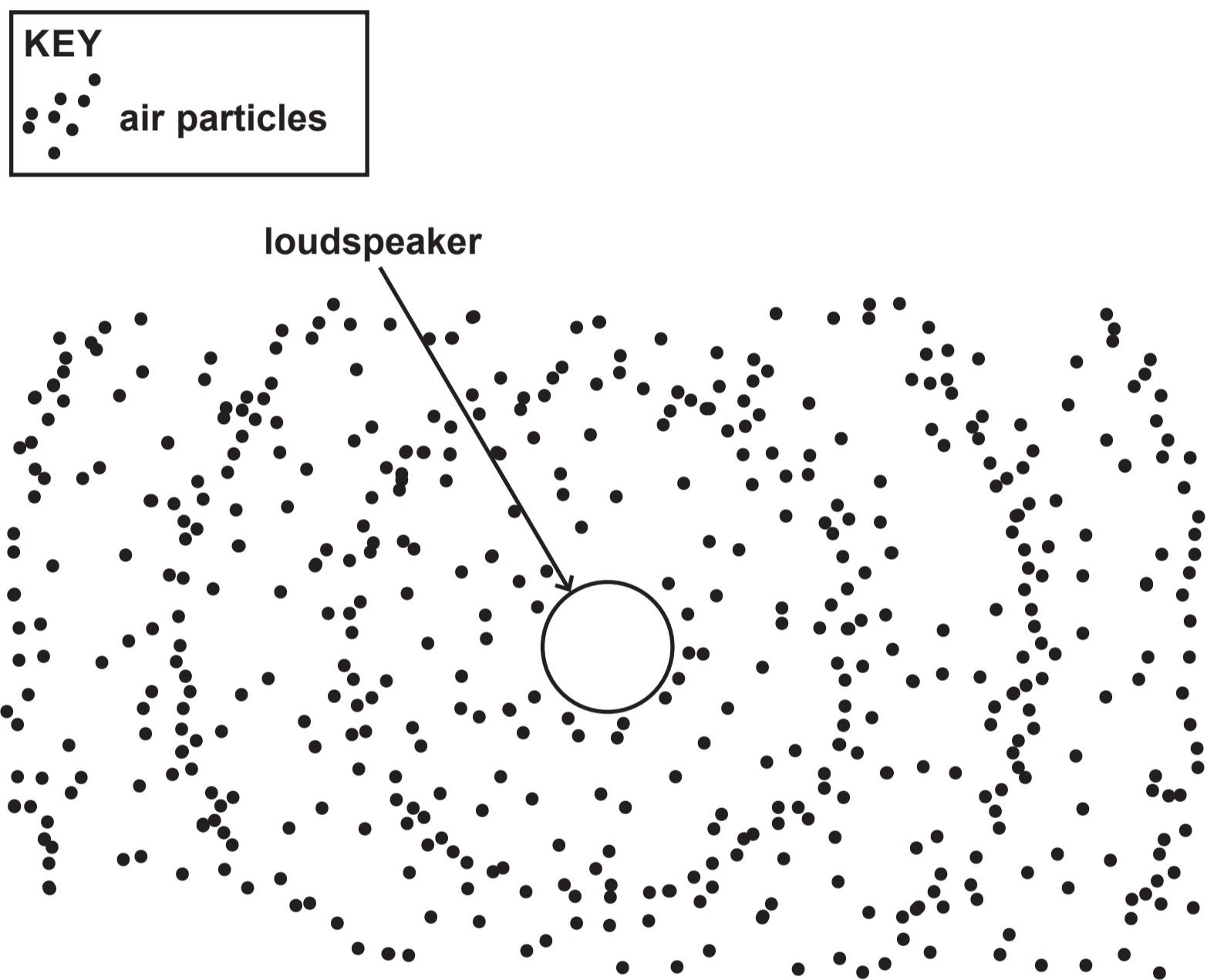


Figure 7



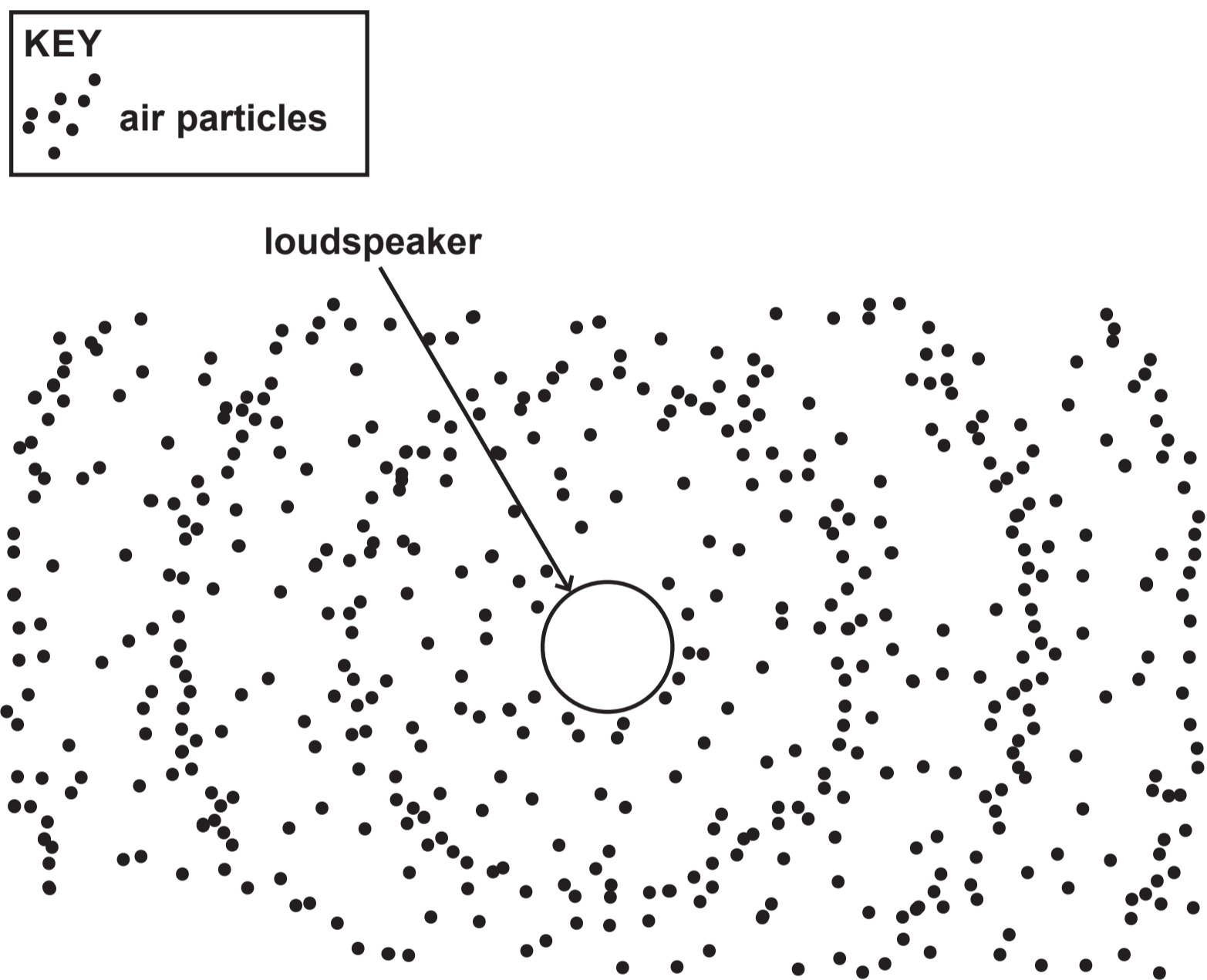
## Question 6(b)

Figure 8



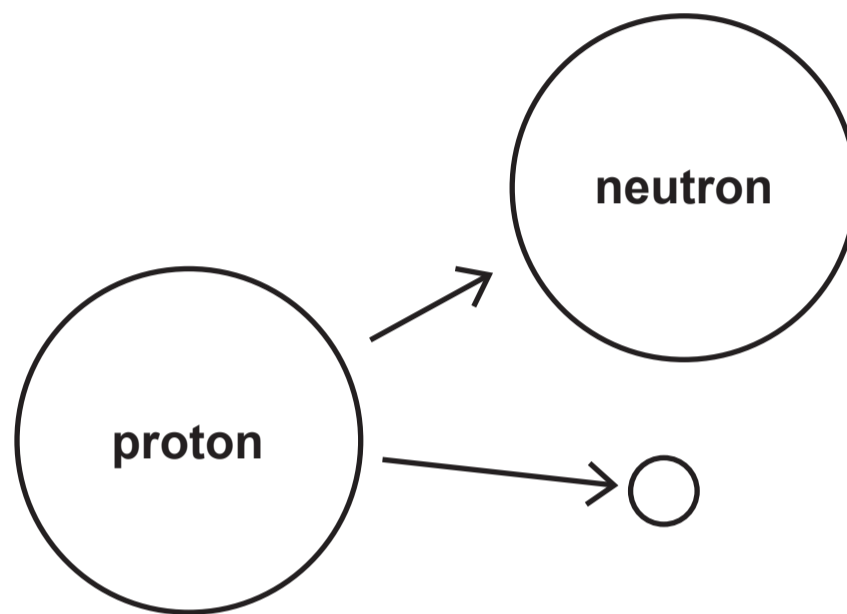
## Question 6(b) (Spare copy)

Figure 8



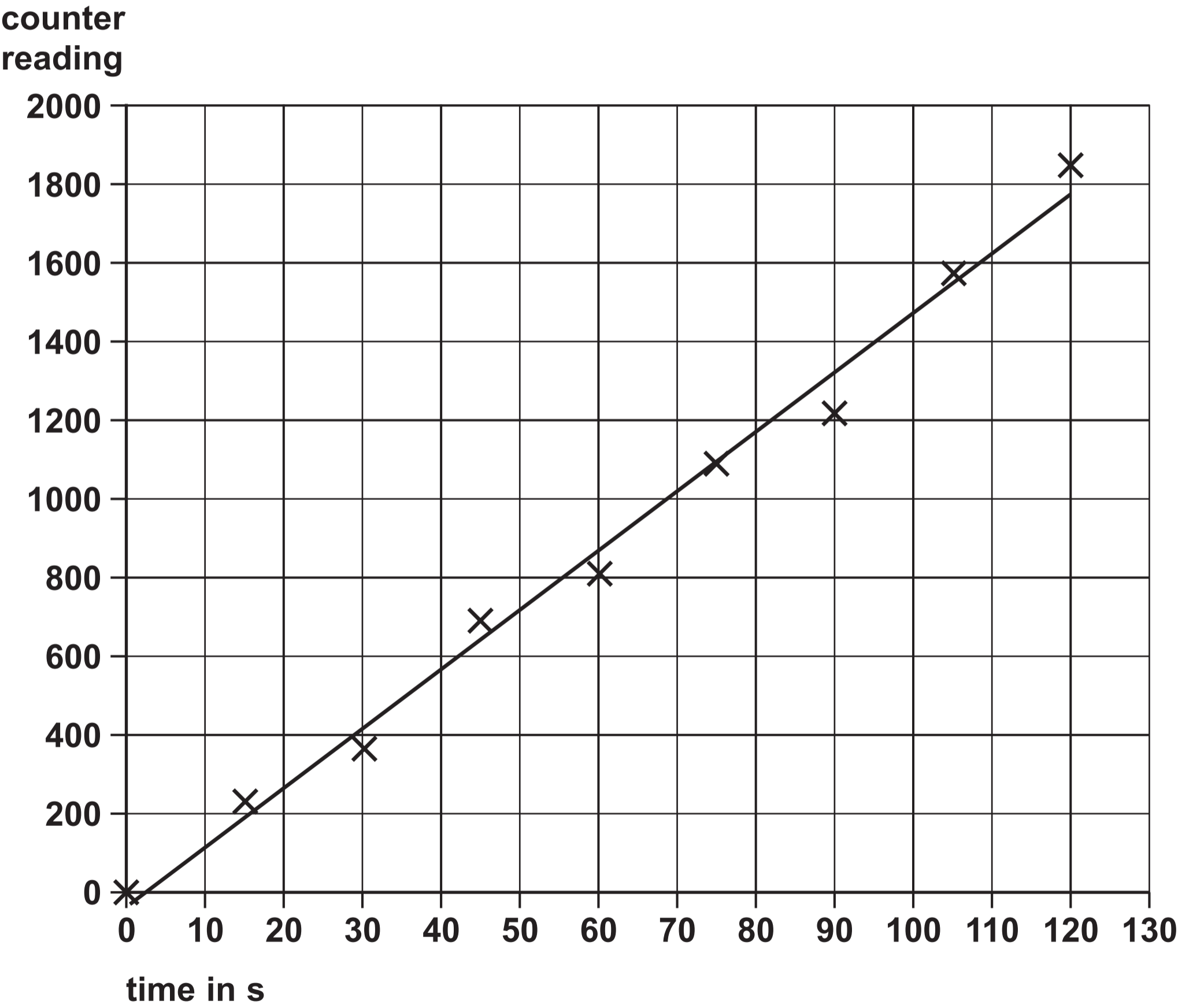
## Question 7(b)

Figure 9



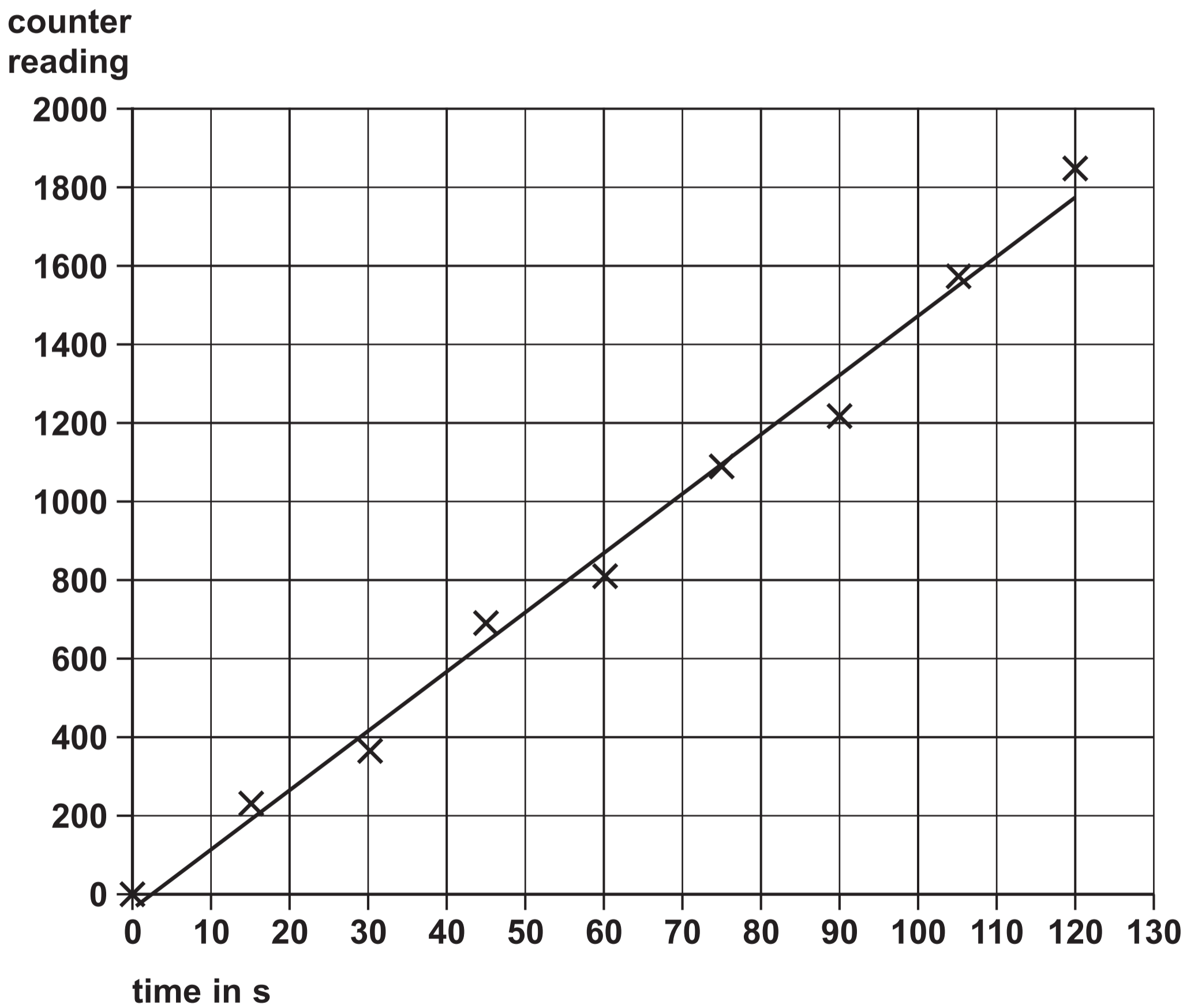
Question 7(e)

Figure 10



## Question 7(e) (Spare copy)

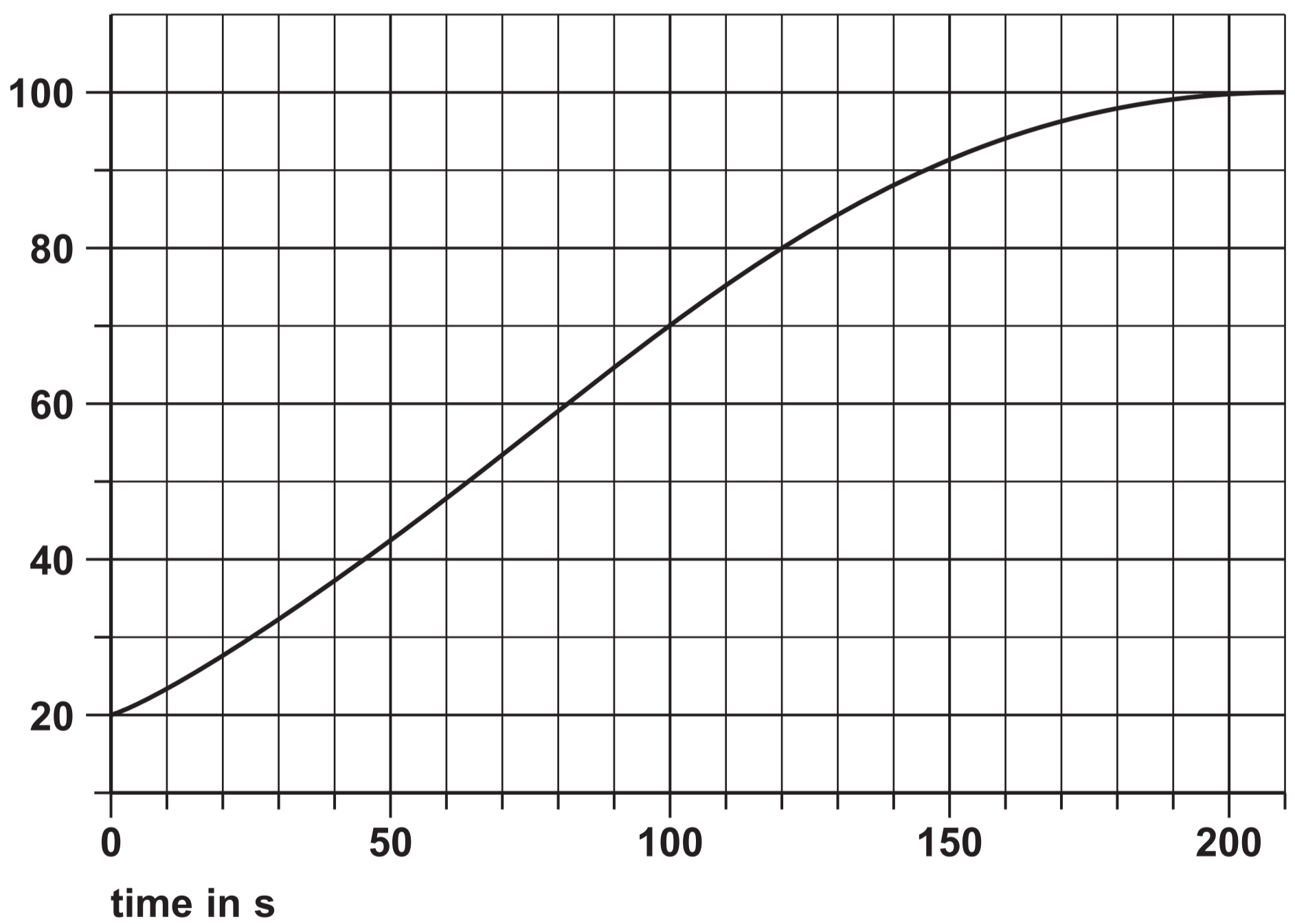
Figure 10



## Question 8(a)

Figure 11

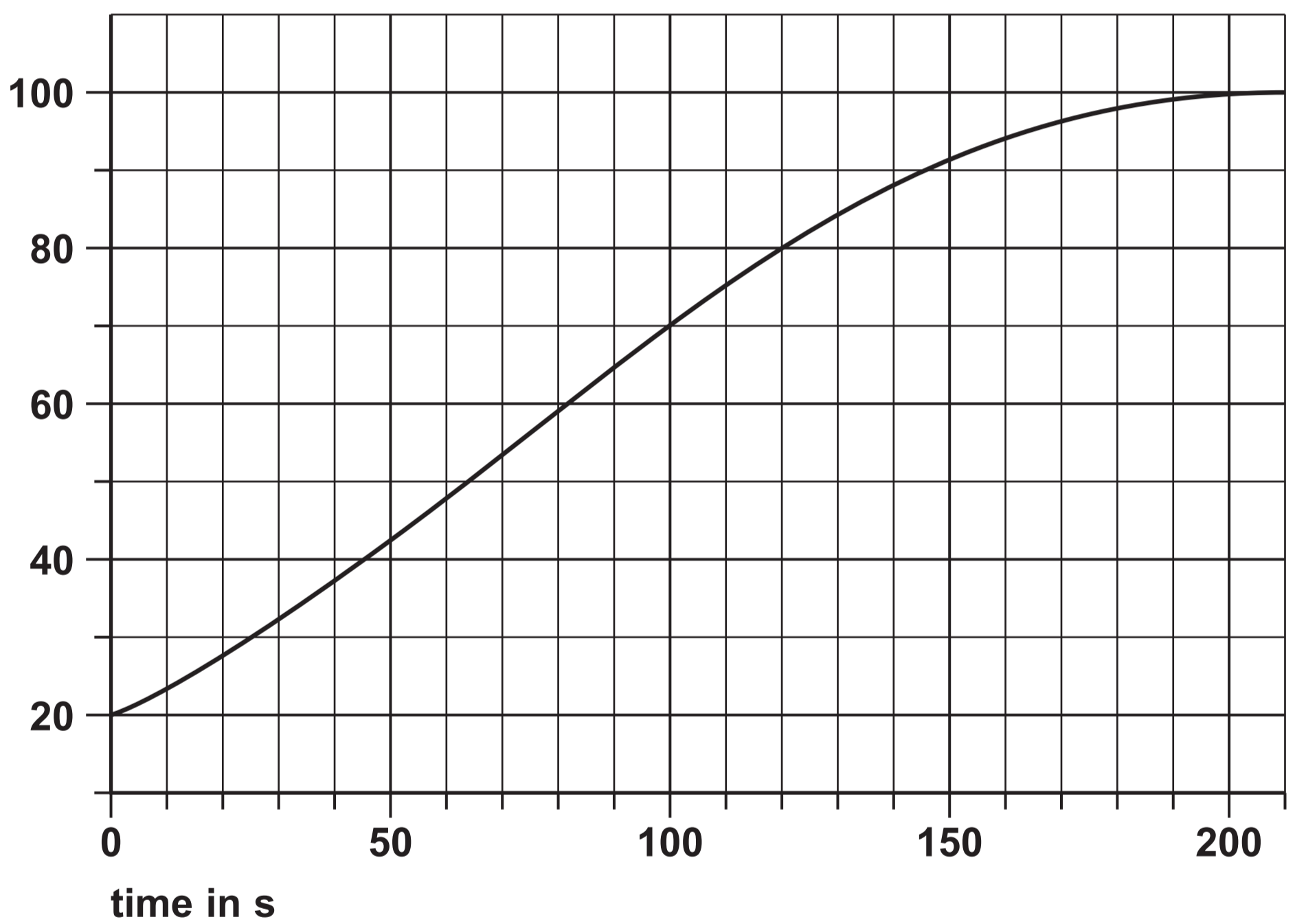
temperature  
in  $^{\circ}\text{C}$



## Question 8(a) (Spare copy)

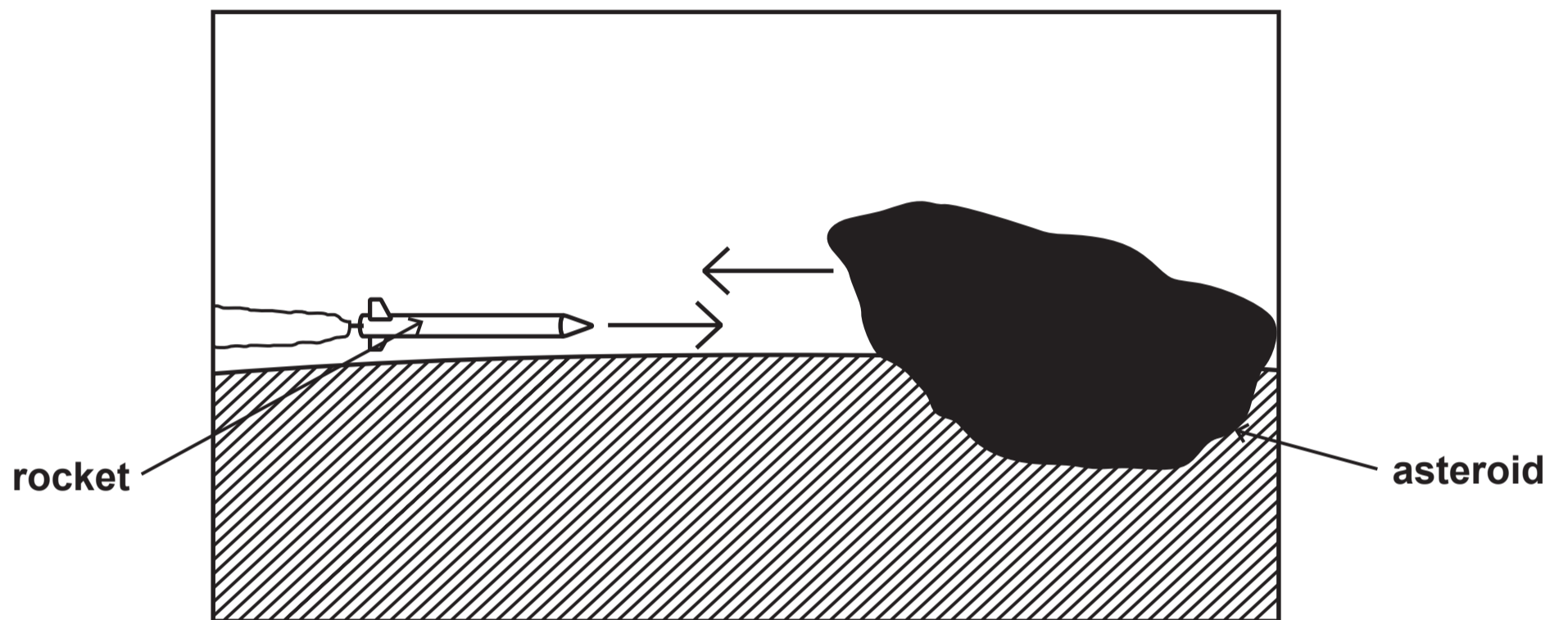
Figure 11

temperature  
in  $^{\circ}\text{C}$



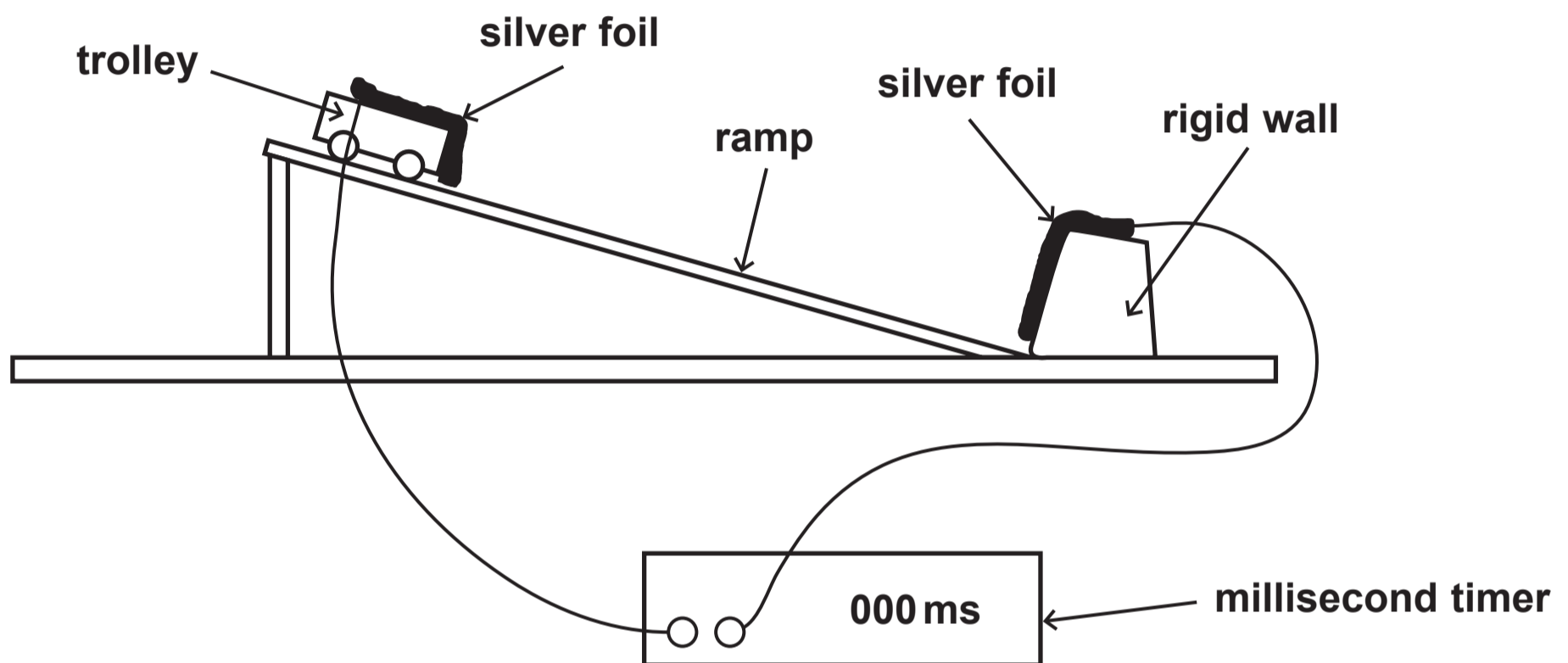
## Question 9(a)

Figure 12



## Question 9(b)

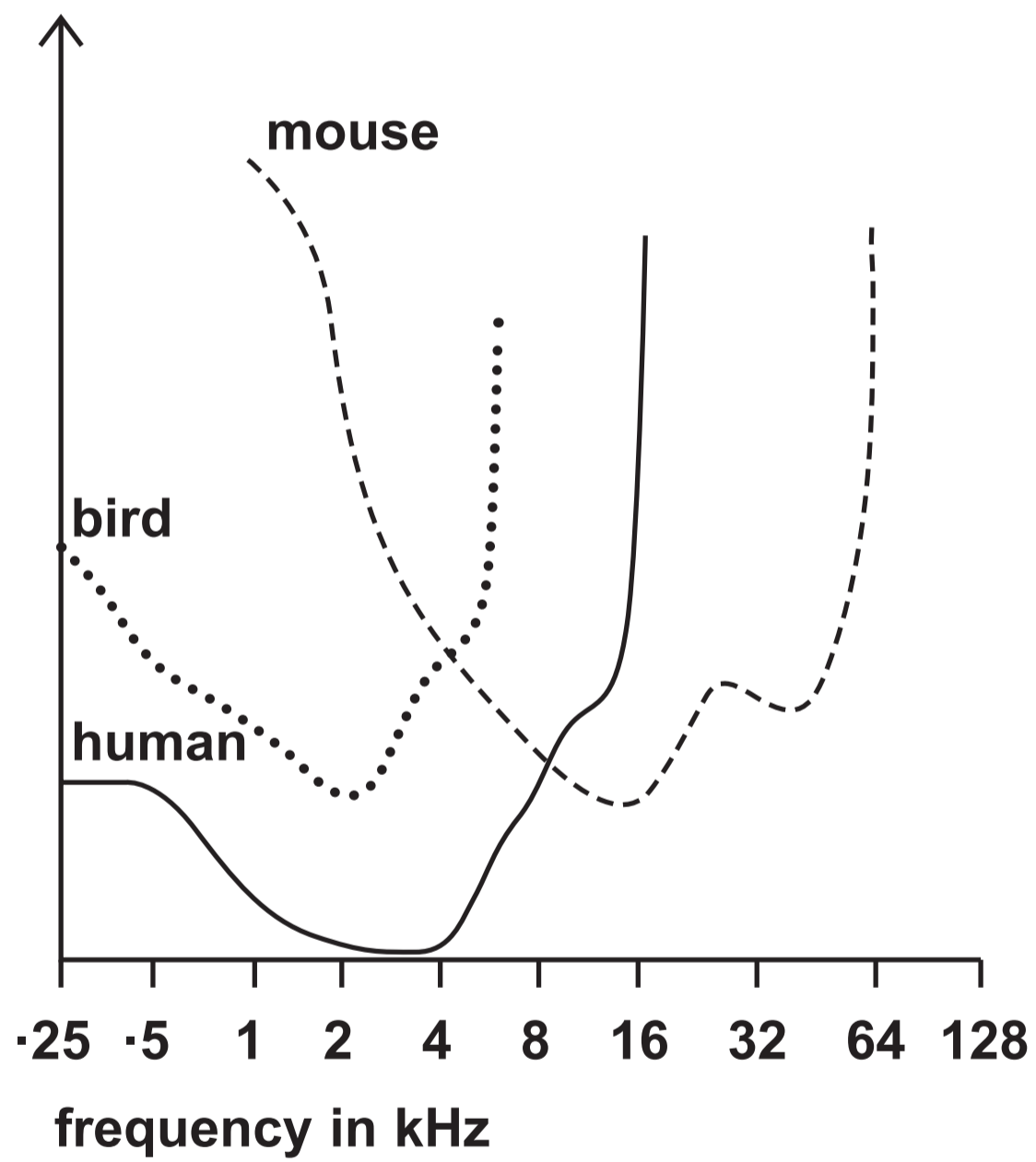
Figure 13



## Question 10(a)

Figure 14

minimum  
intensity  
of sound  
detectable



## Question 10(c)

Figure 15

