

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

Combined Science
PAPER 3
Foundation Tier

Wednesday 22 May 2024 – Morning

Time: 1 hour 10 minutes

Diagram Booklet

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

**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.

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17	Question 1(b) – FIGURE 2
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Question 1(a)

amplitude

frequency

longitudinal

speed

transverse

wavelength

FIGURE 1

radio waves	microwaves	infrared	visible light	ultraviolet	x-rays	gamma rays
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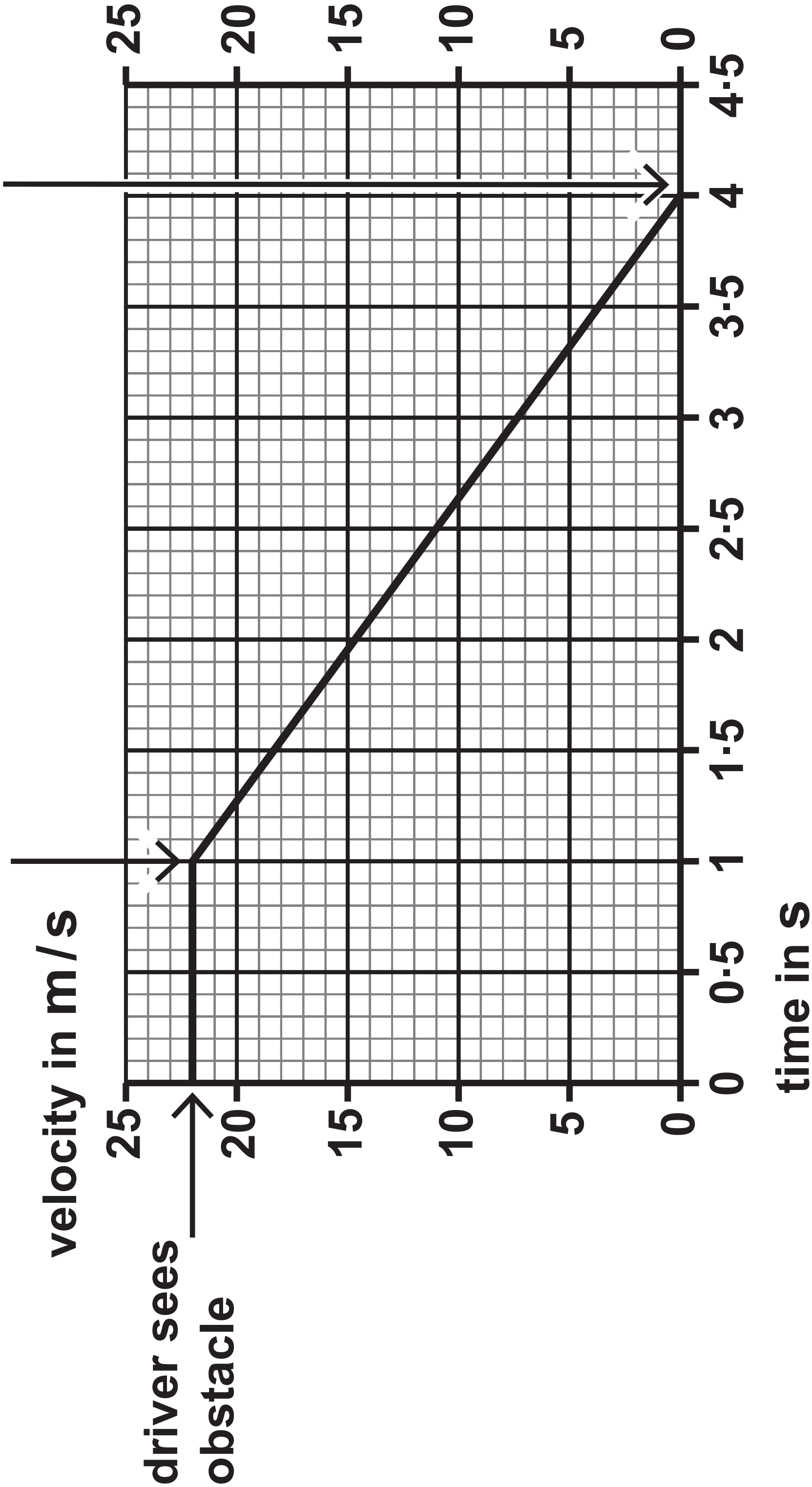
FIGURE 2

Information	Type of electromagnetic radiation
emitted by bright objects AND can be detected by the human eye	
emitted by radioactive nuclei AND can be used to treat cancer	
produced in an aerial AND can be used for communication	
can cause skin cancer in humans AND can be used to detect forged banknotes	

FIGURE 3

driver applies brakes

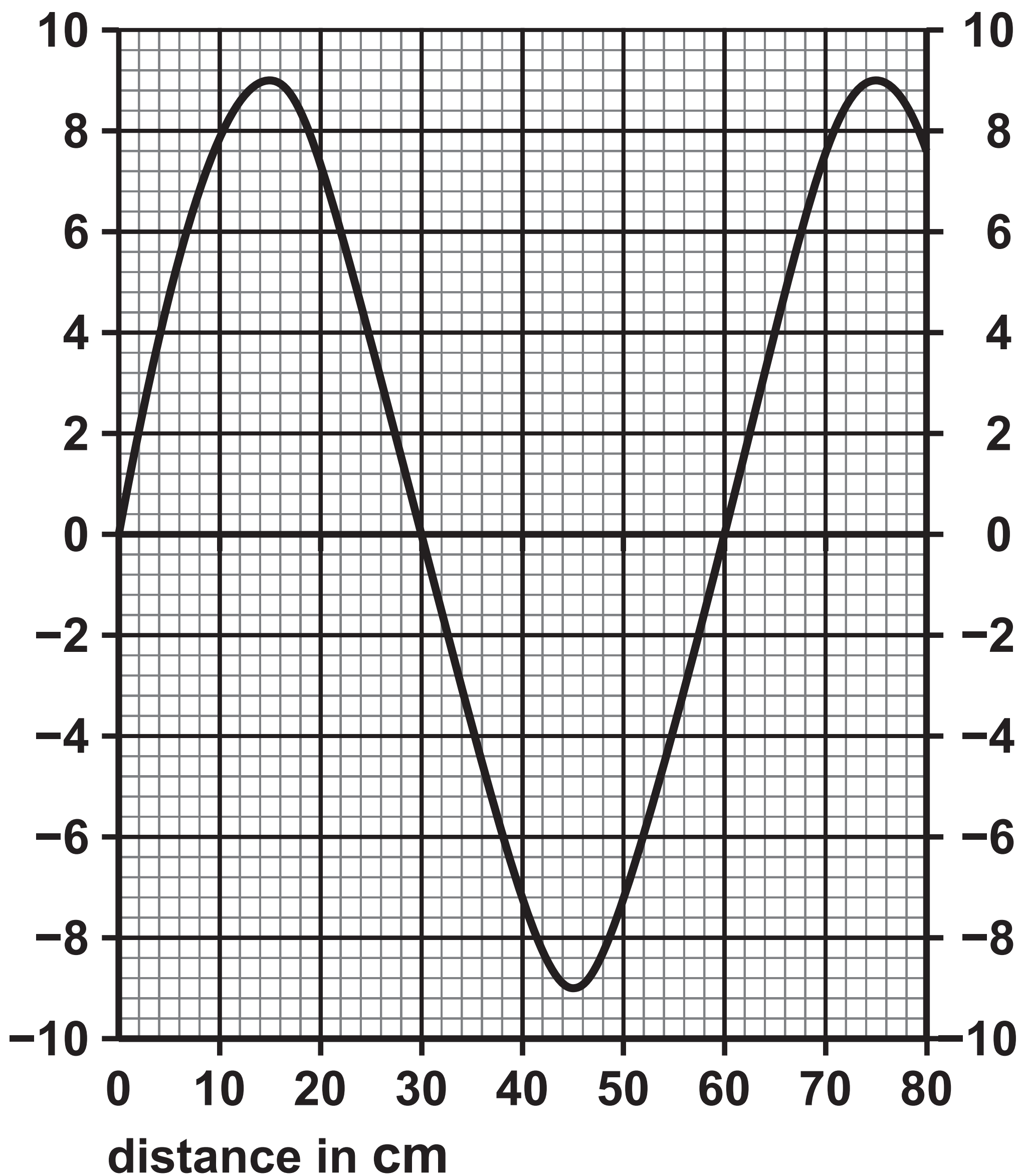
car comes to rest



Question 3(d)

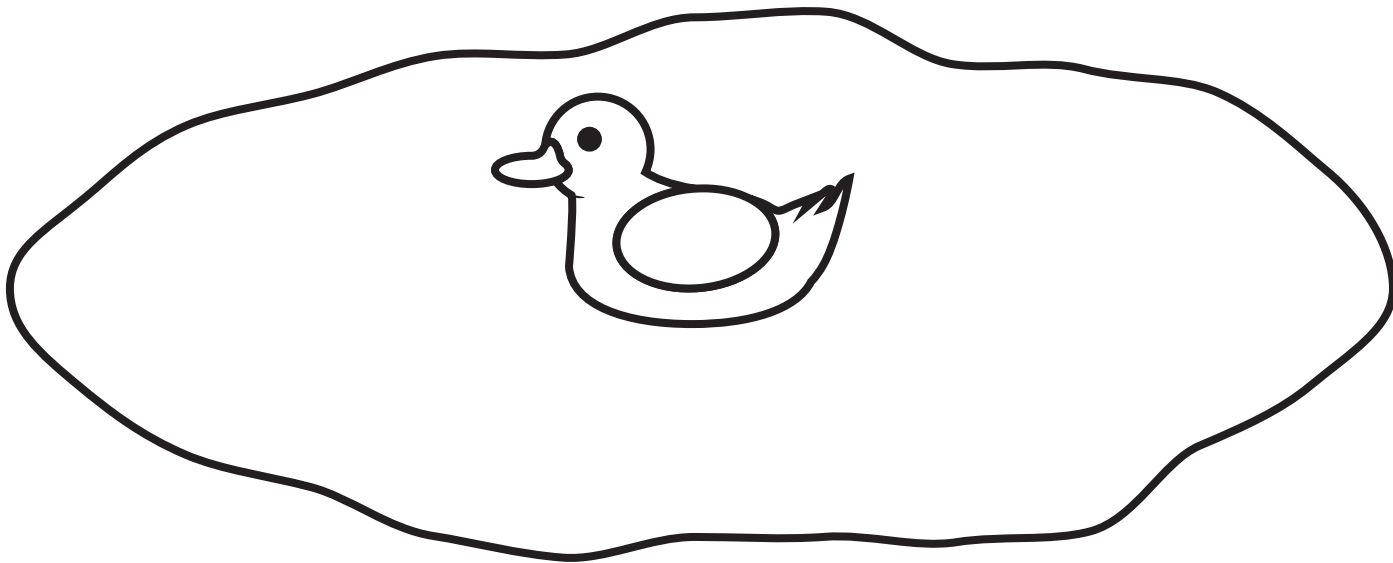
FIGURE 4

vertical displacement
of water in cm



Question 3(e)(ii)

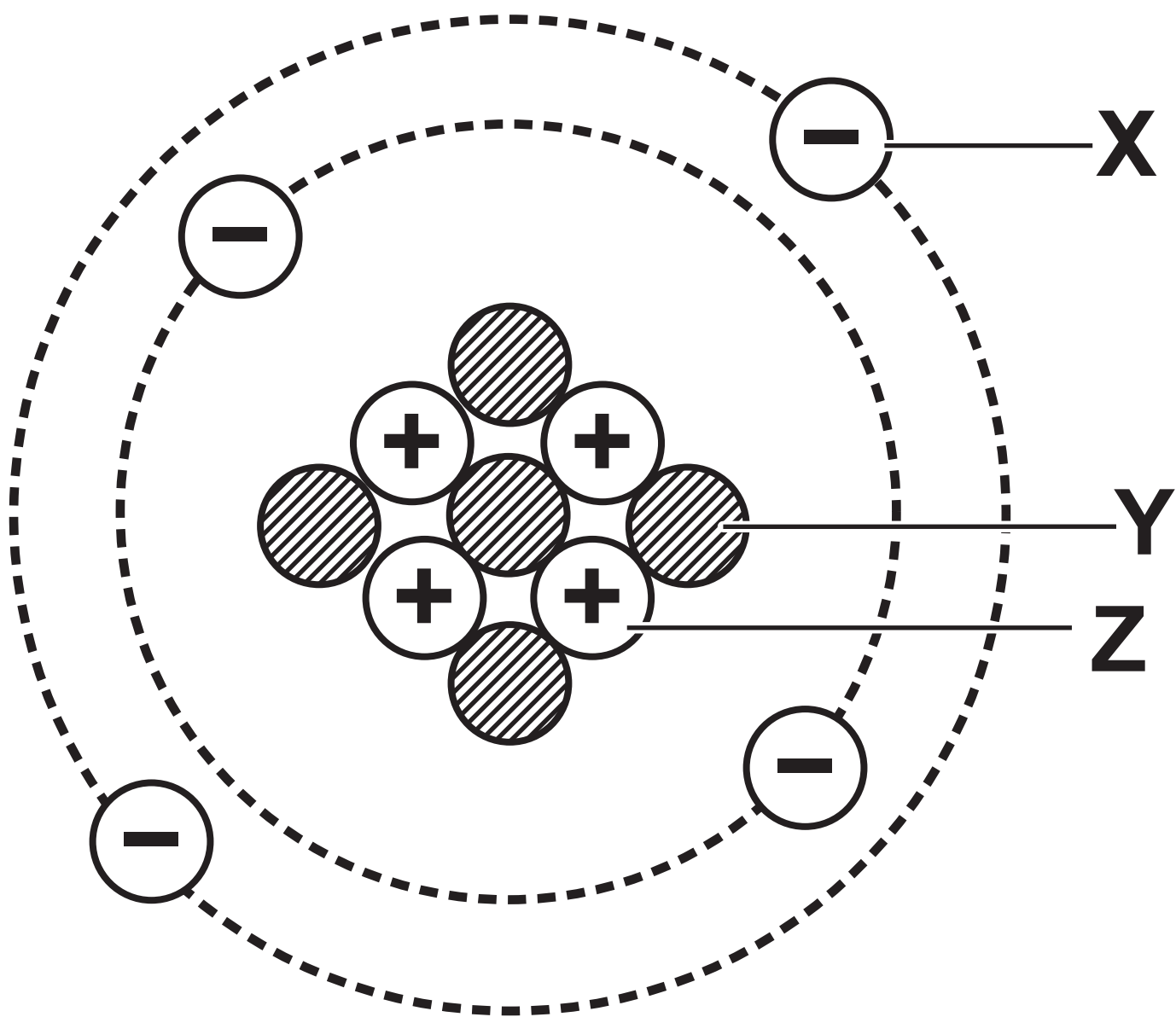
FIGURE 5



Question 4

FIGURE 6

NOT TO SCALE



Question 4(c)(ii)

FIGURE 7

	activity in Bq
1st measurement	21
2nd measurement	23
3rd measurement	19
4th measurement	22

Question 4(d)

FIGURE 8

mean detector reading
in counts per second

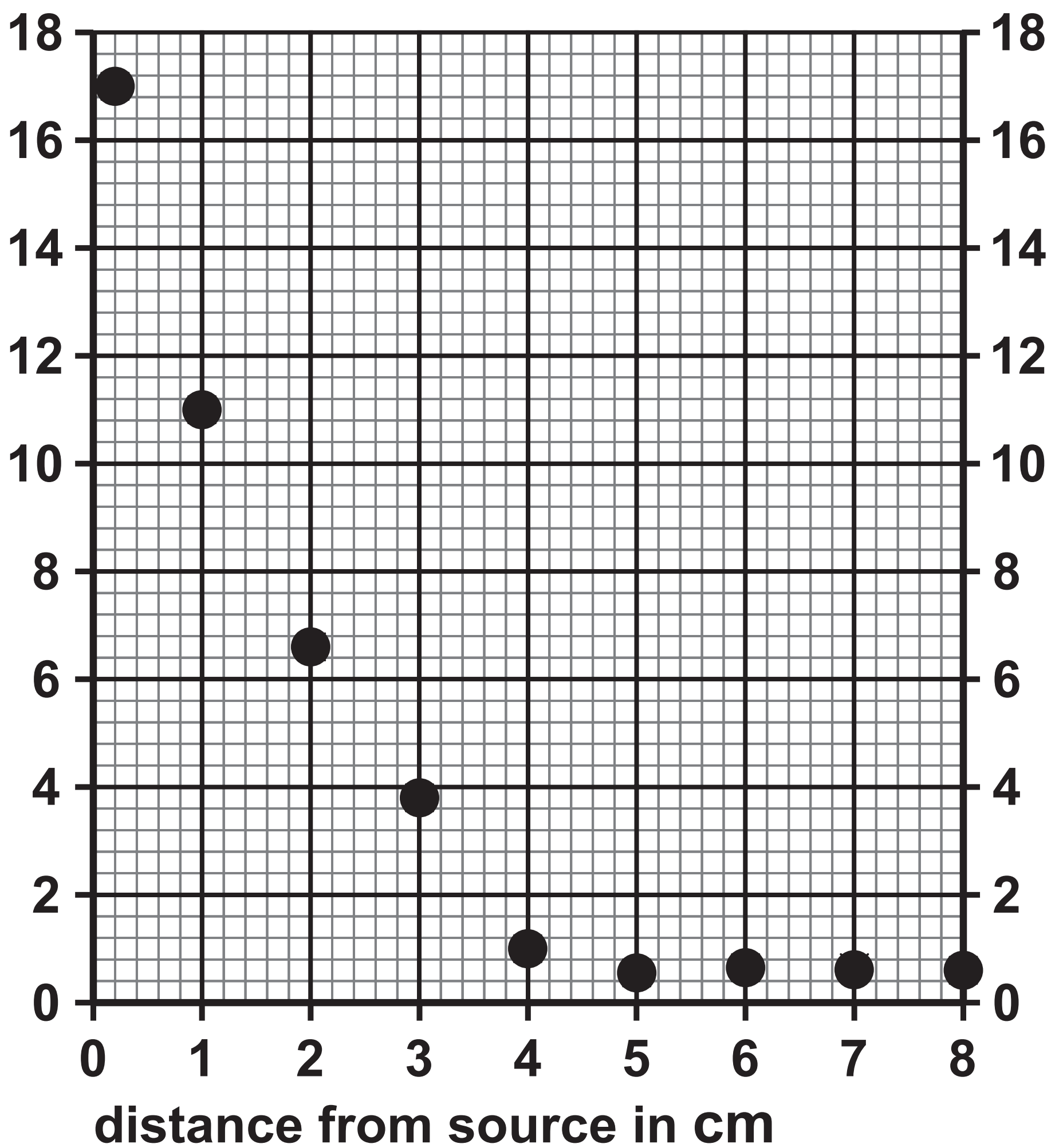


FIGURE 9

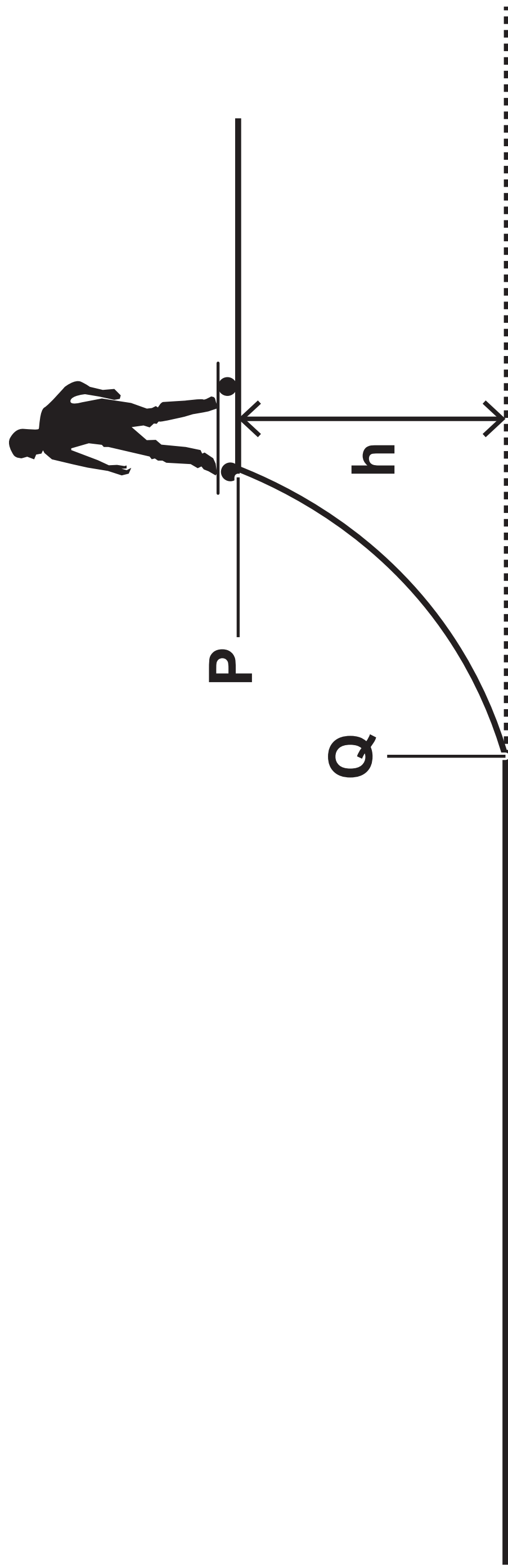
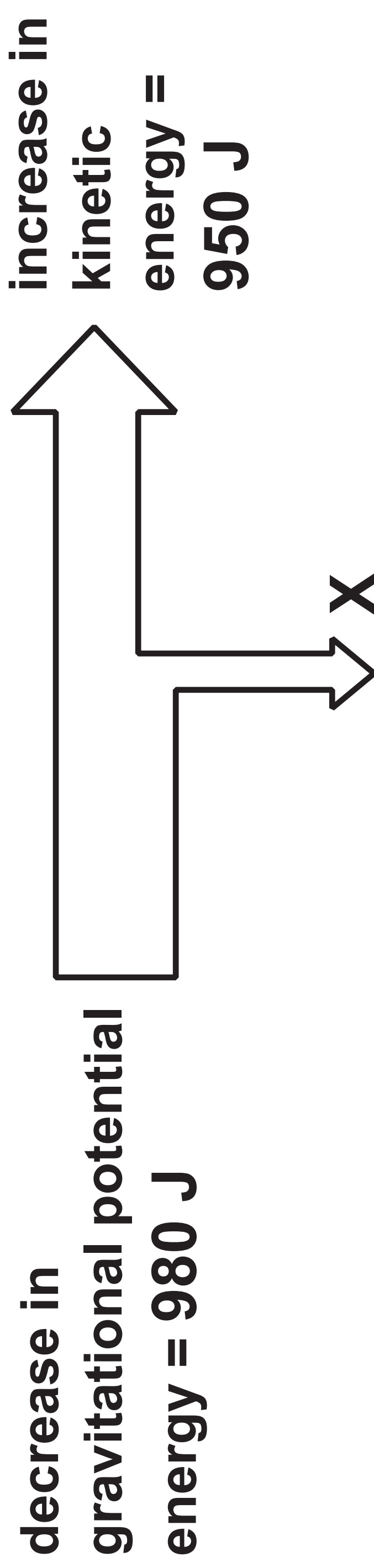


FIGURE 10

NOT TO SCALE



Question 6

FIGURE 11

KEY

—— M

----- L

distance in m

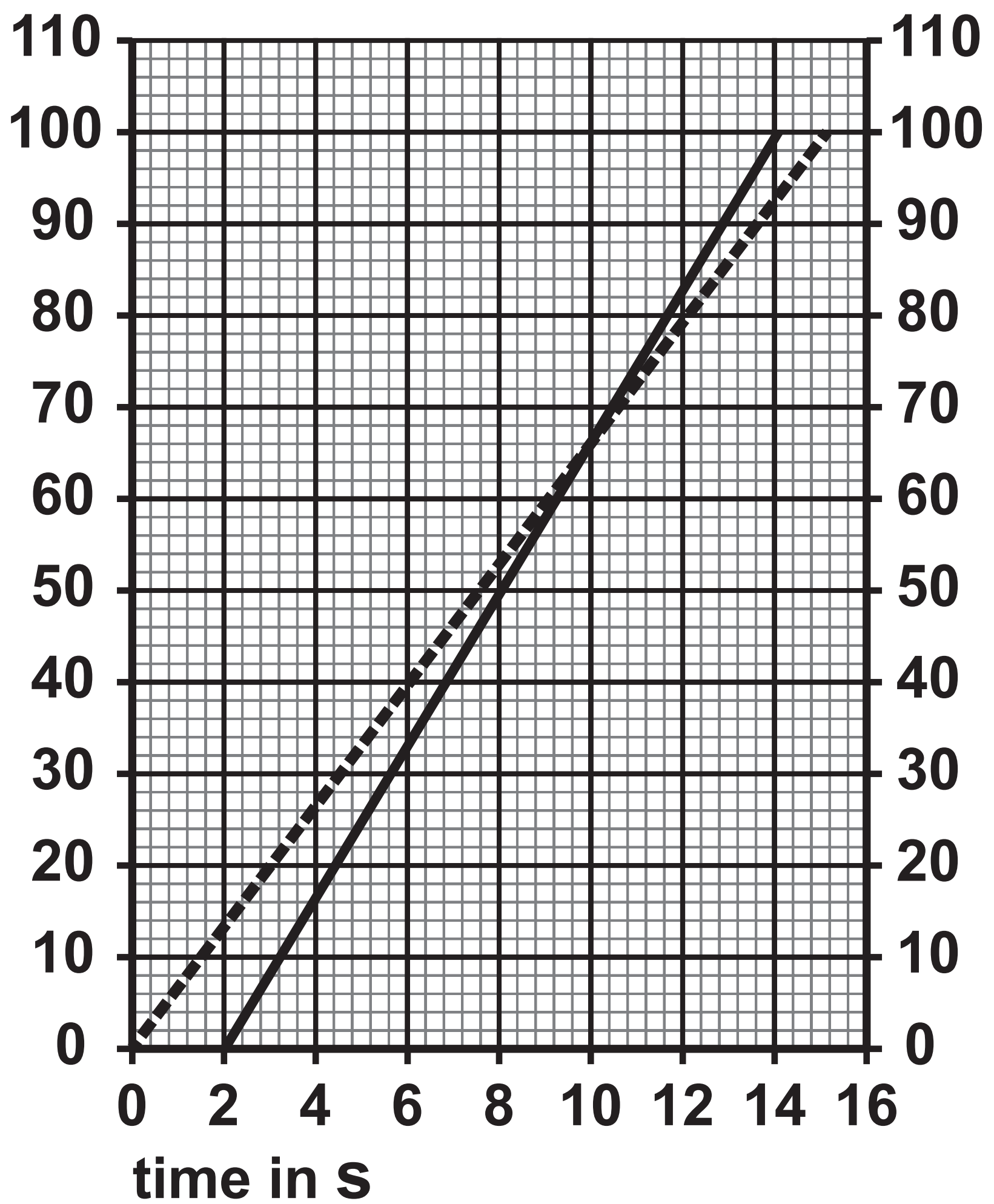


FIGURE 12

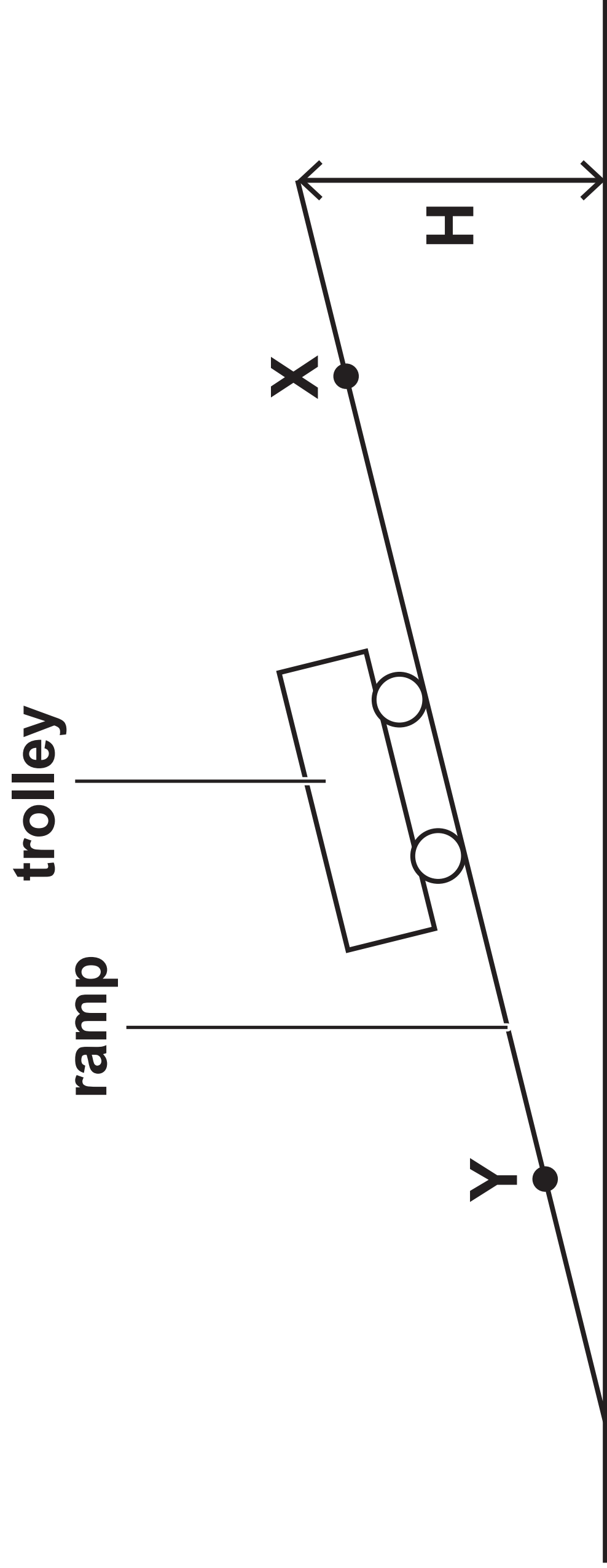


FIGURE 2

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Question 3(e)(ii)**FIGURE 5**