

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					
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Centre Number					
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INSTRUCTIONS

There may be spare copies of some diagrams in case you need them.

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Spare Copies

15	Question 1(b)
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Question 1(a)

amplitude

frequency

longitudinal

speed

transverse

wavelength

FIGURE 1

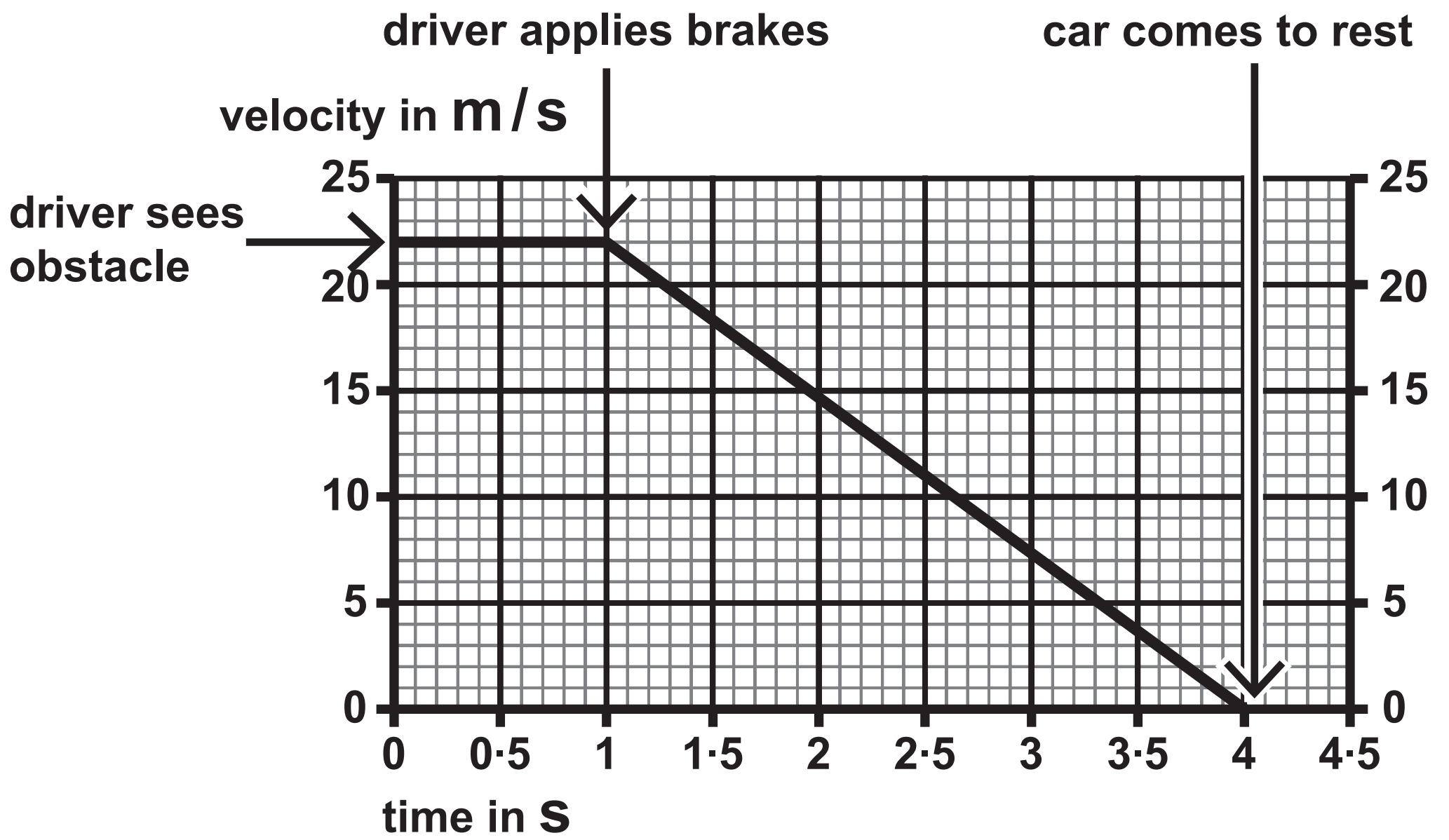
radio waves	microwaves	infrared	visible light	ultraviolet	x-rays	gamma rays
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FIGURE 2

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	

Question 2(a)

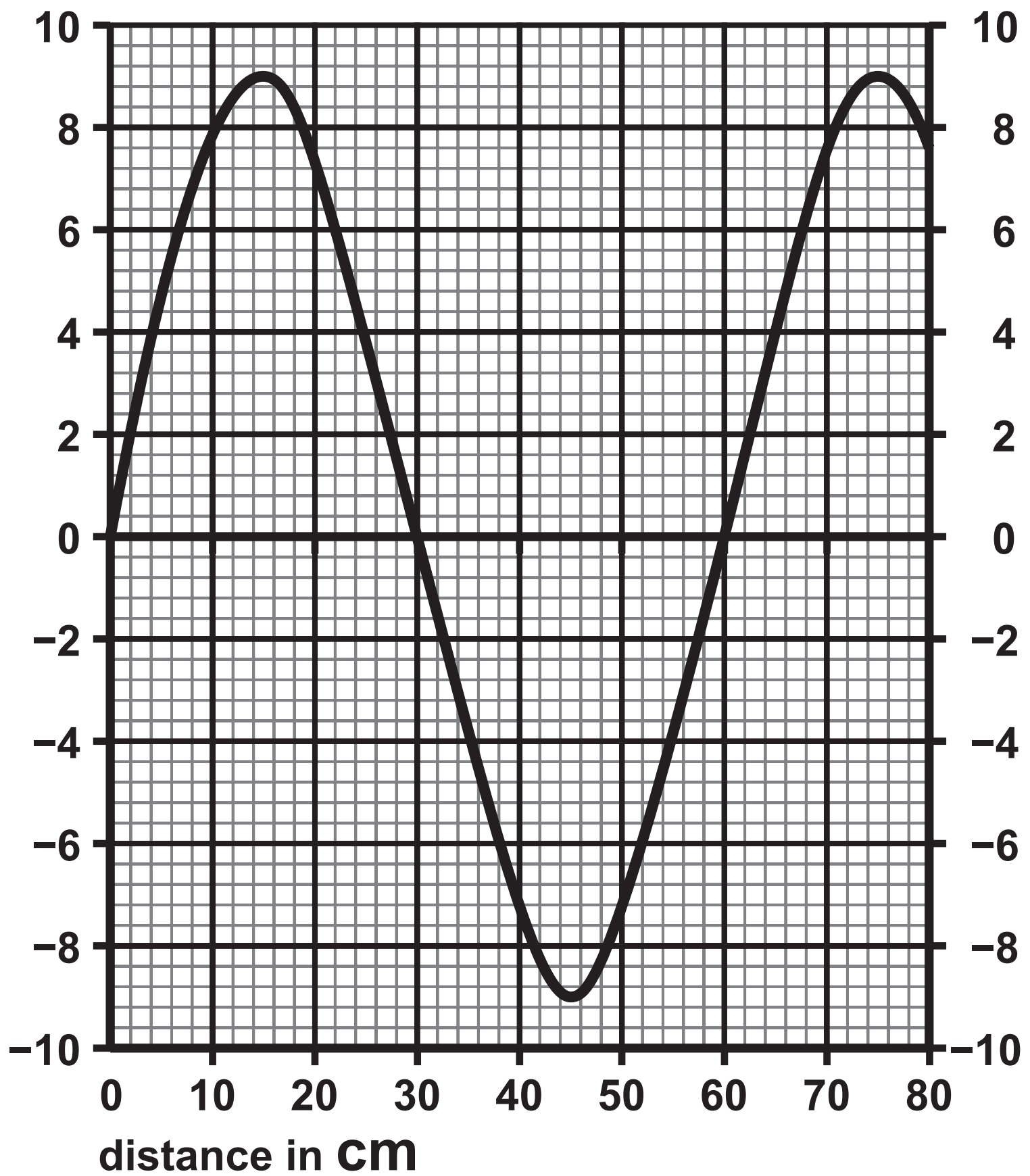
FIGURE 3

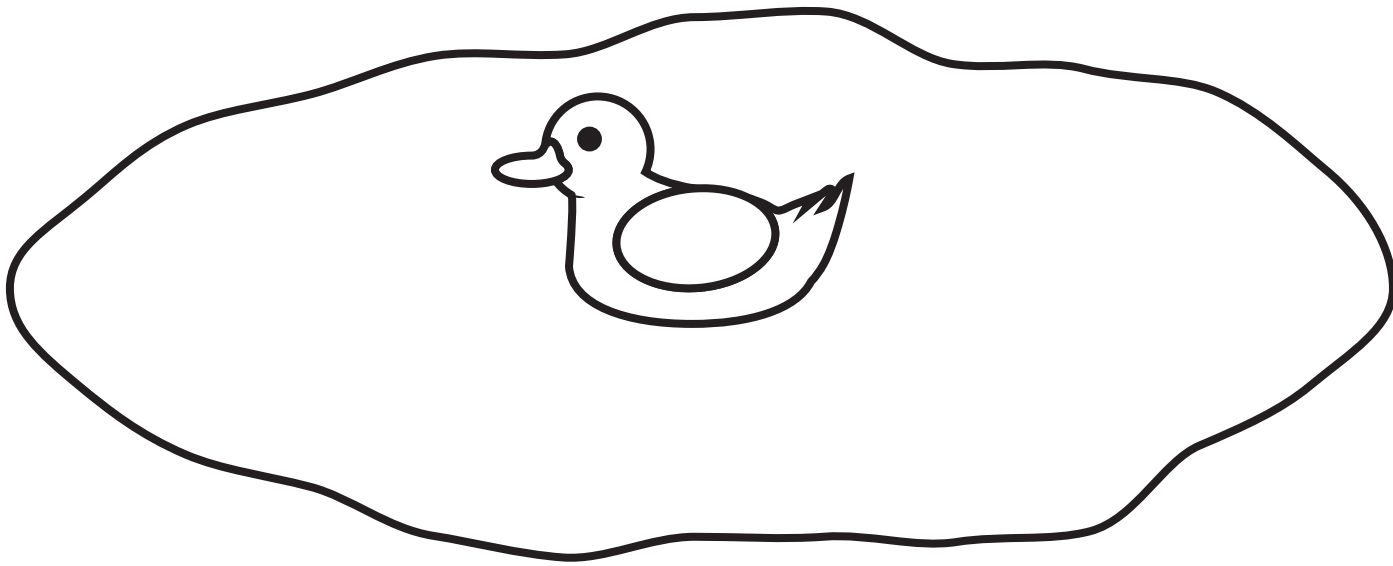


Question 3(d)

FIGURE 4

vertical displacement
of water in **cm**



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

Question 4

FIGURE 6

NOT TO SCALE

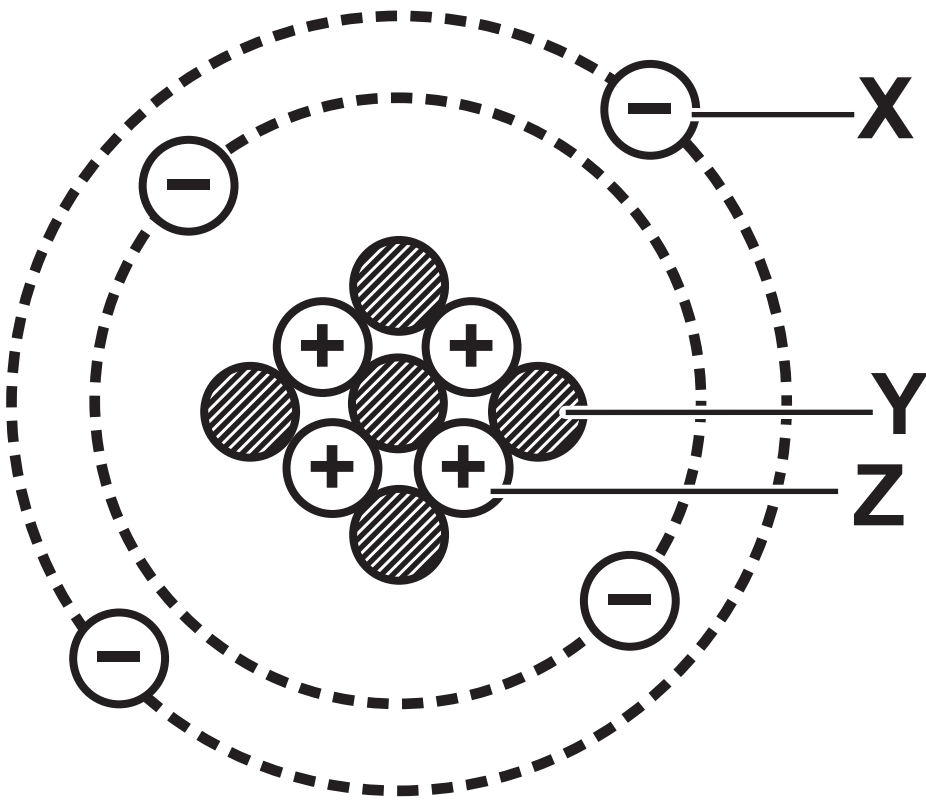
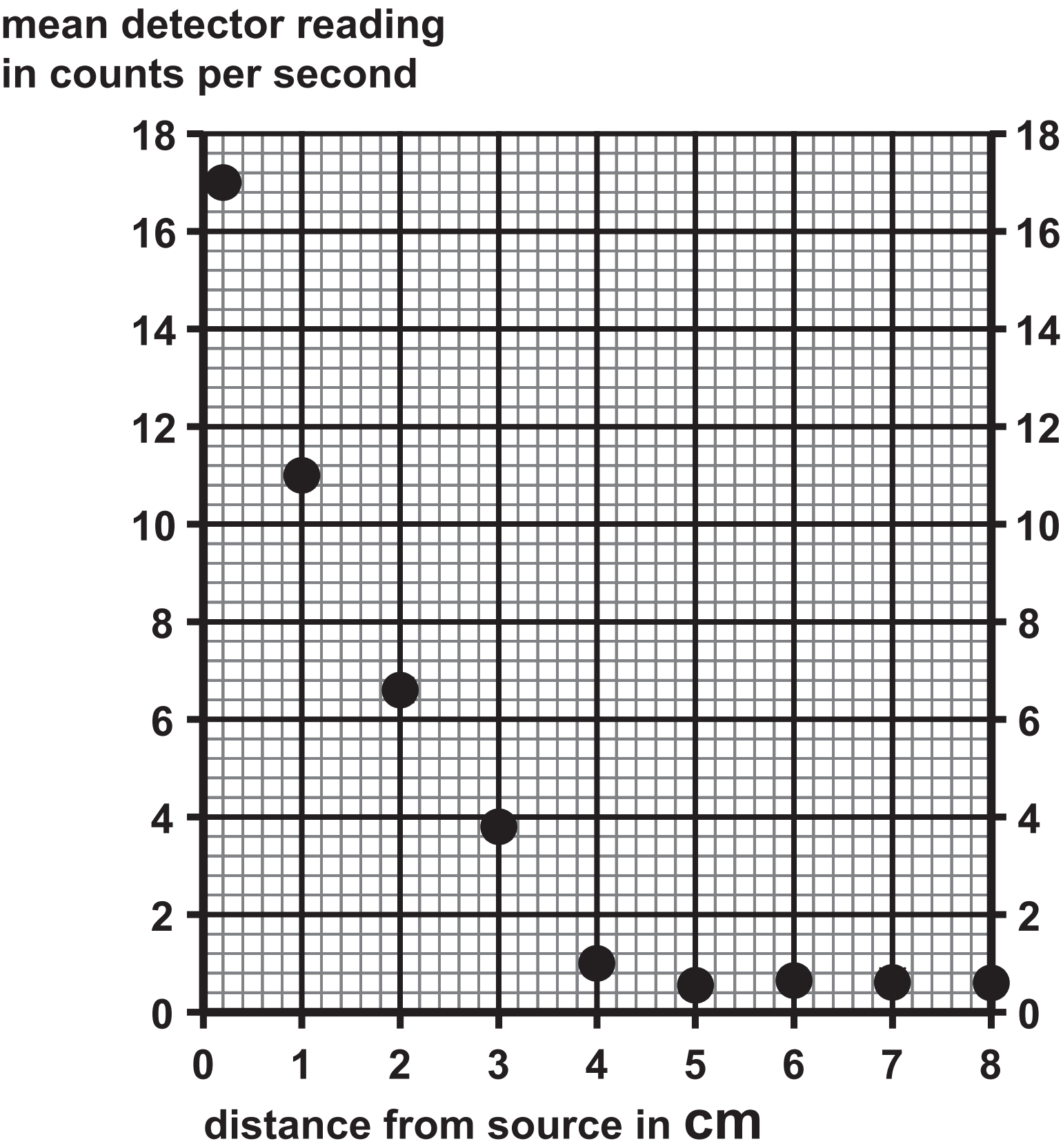


FIGURE 7

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

Question 4(d)

FIGURE 8



Question 5

FIGURE 9

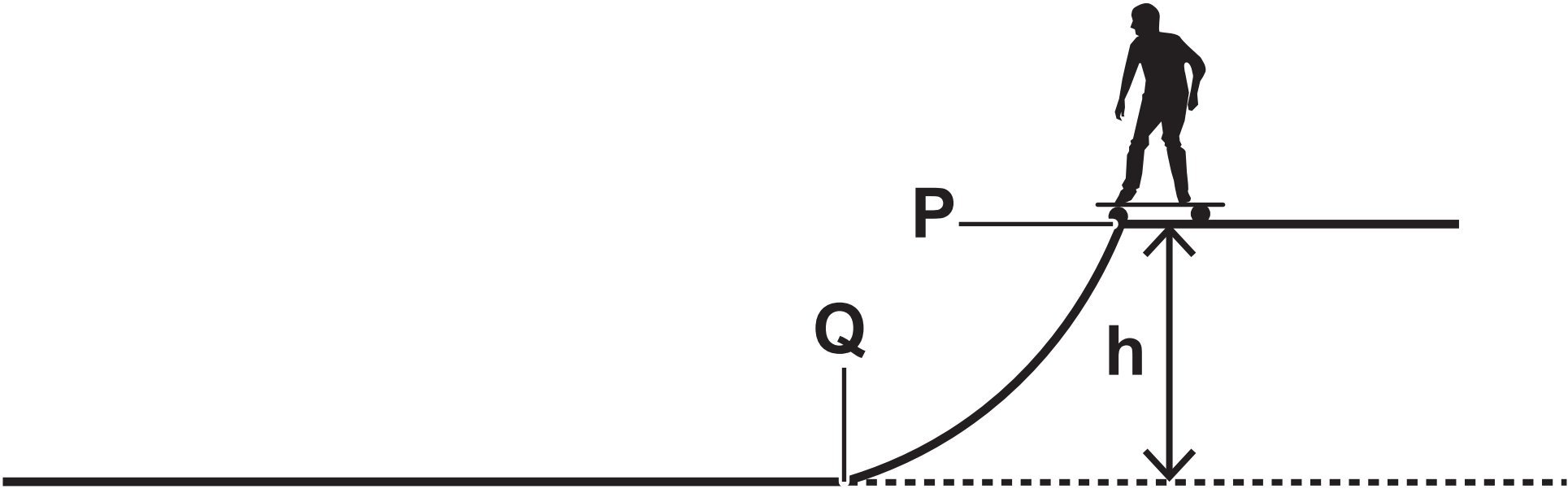
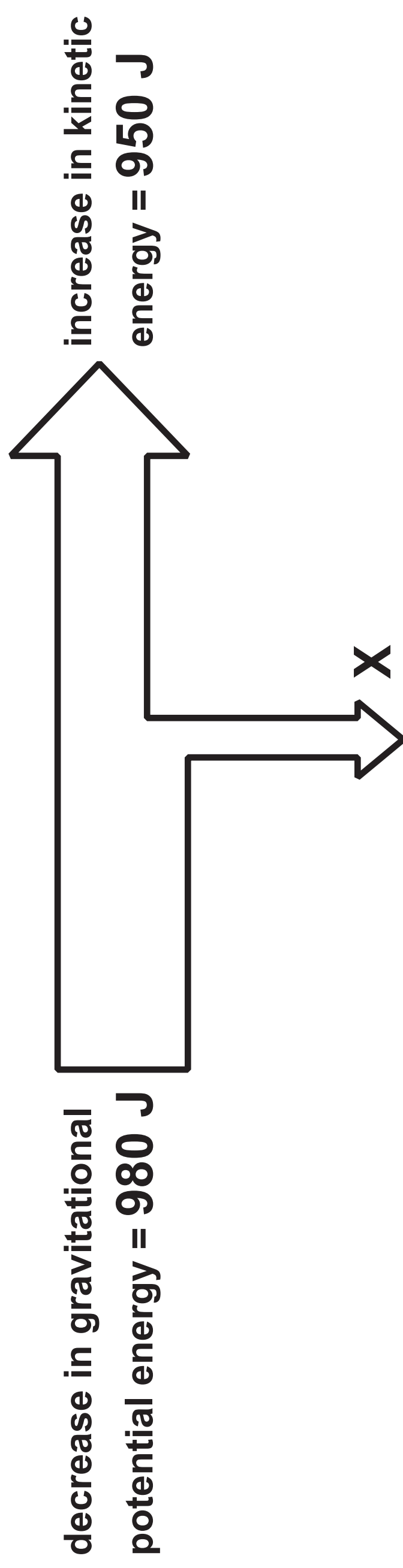


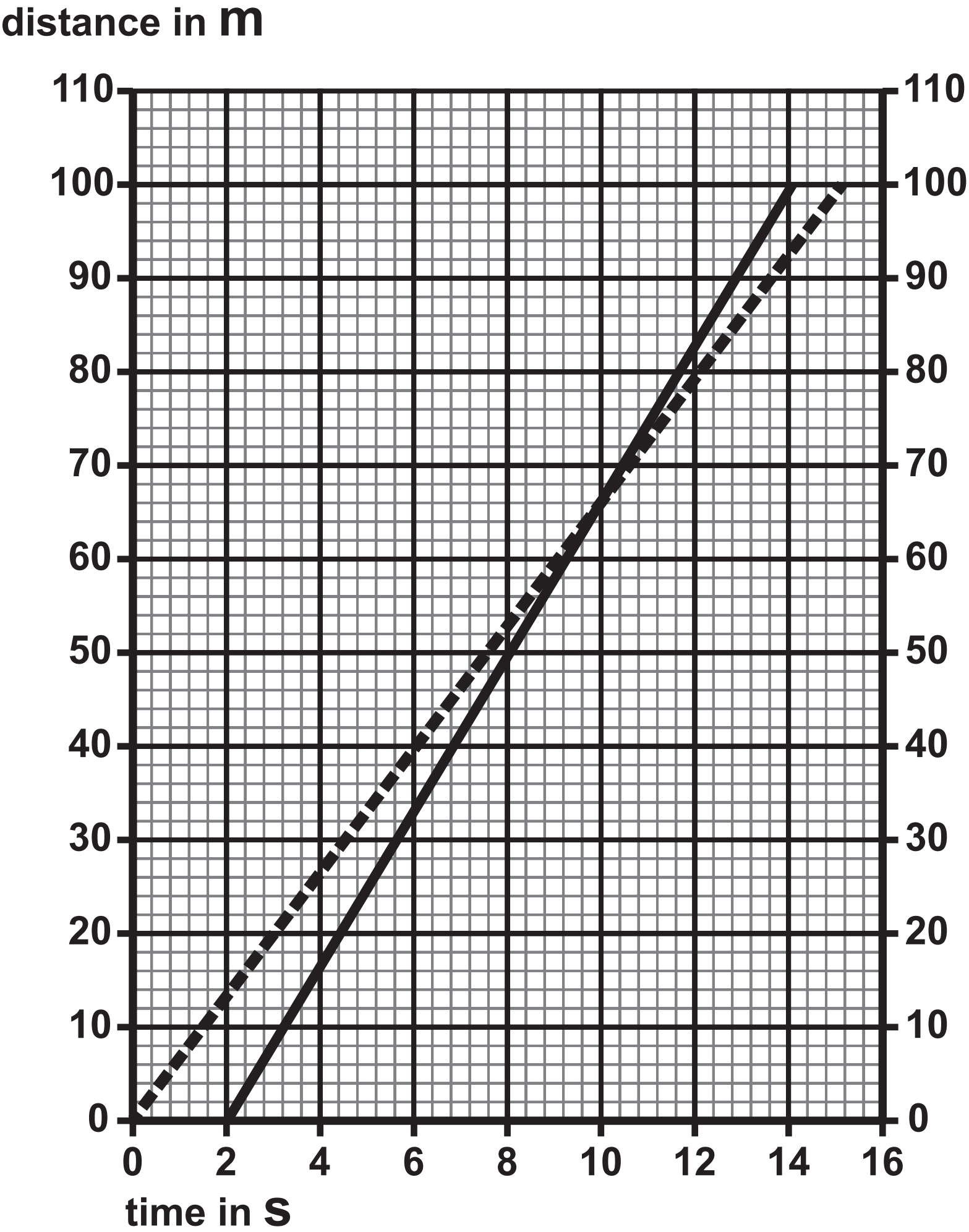
FIGURE 10

NOT TO SCALE



Question 6

FIGURE 11



Question 6(c)

FIGURE 12

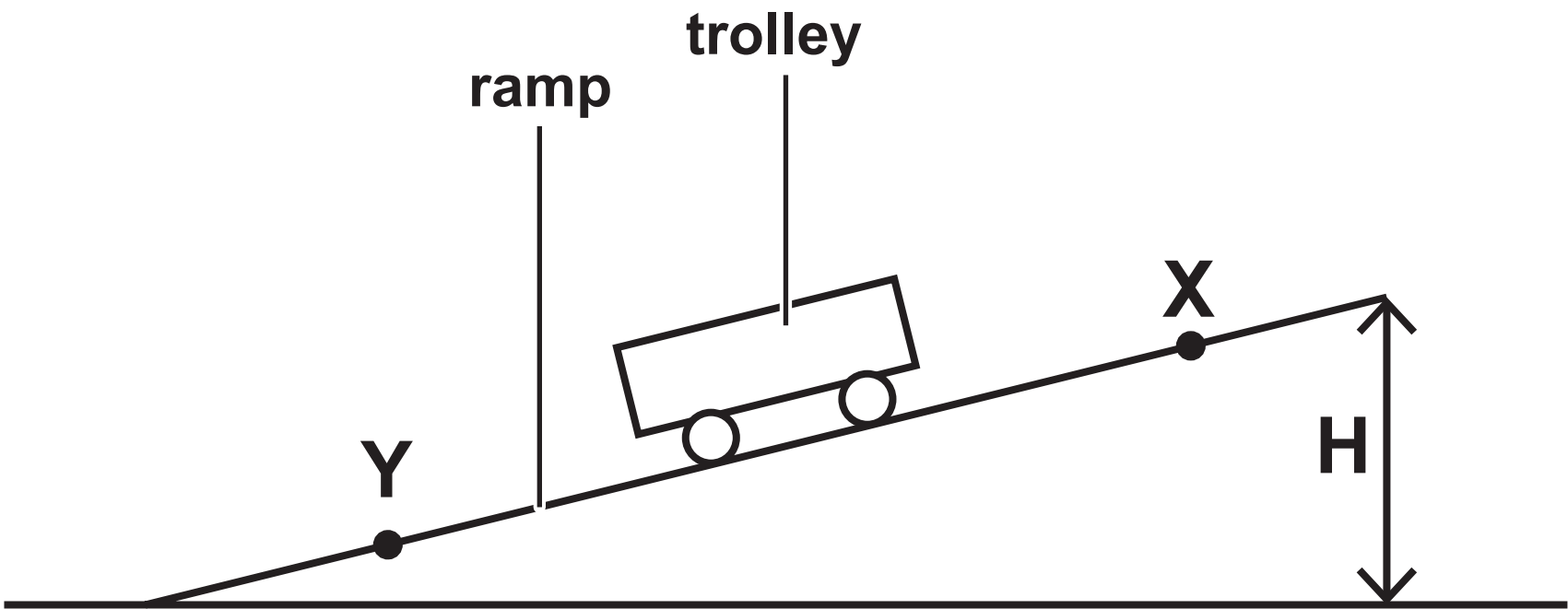


FIGURE 1

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

Information	Type of electromagnetic radiation
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Question 3(e)(ii)

FIGURE 5

