

Paper Reference(s) 9PH0/02
Pearson Edexcel Level 3 GCE
Physics

Advanced

PAPER 2: Advanced Physics II

Monday 9 June 2025 – Morning

Time: 1 hour 45 minutes

Diagram Booklet

**THIS DOCUMENT MUST BE RETURNED
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Candidate Number					

INSTRUCTIONS

There may be spare copies of some diagrams.

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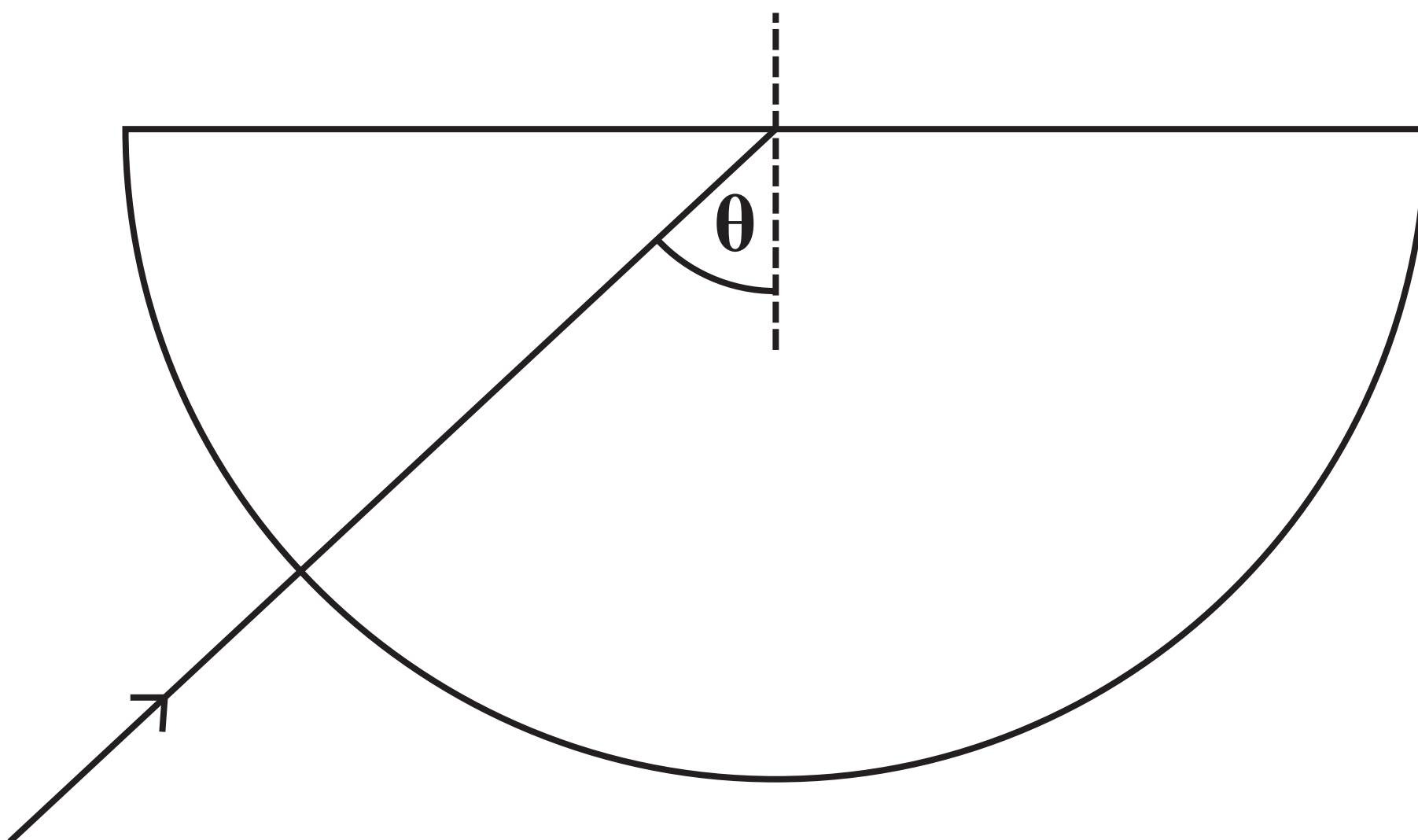
17 Question 21(b)

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Spare Copies

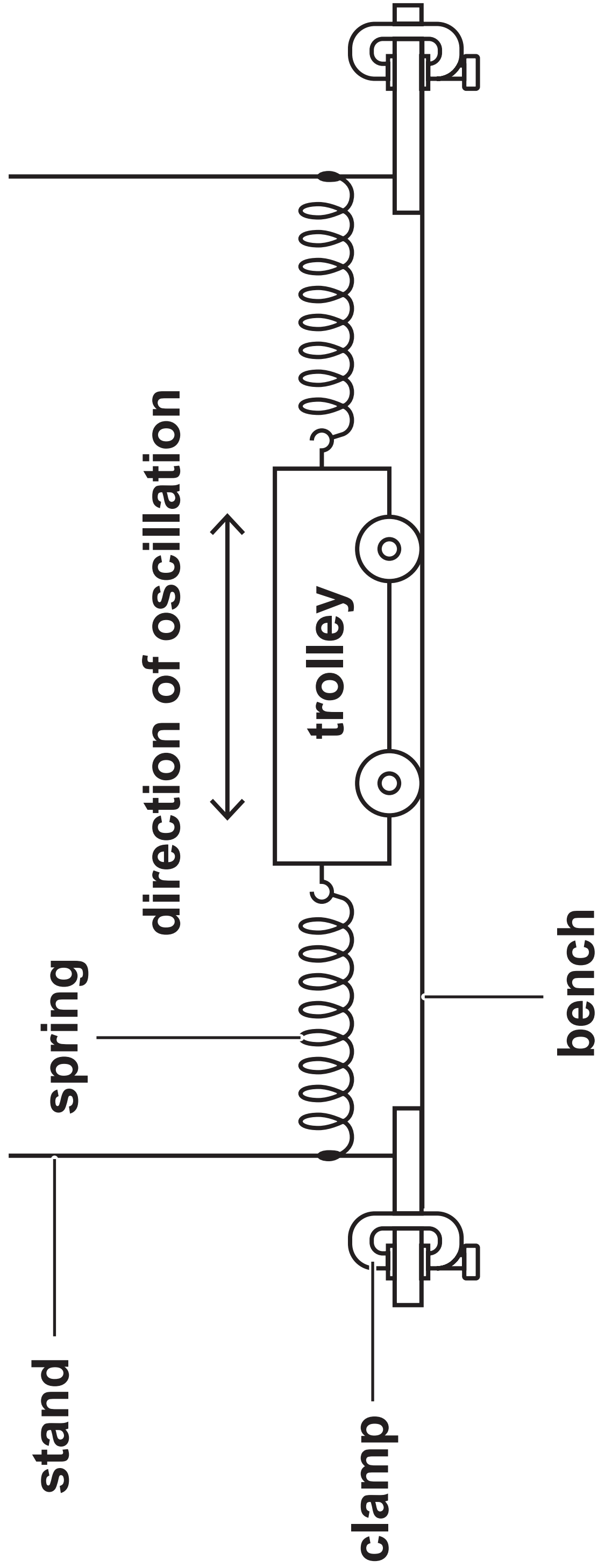
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Question 3



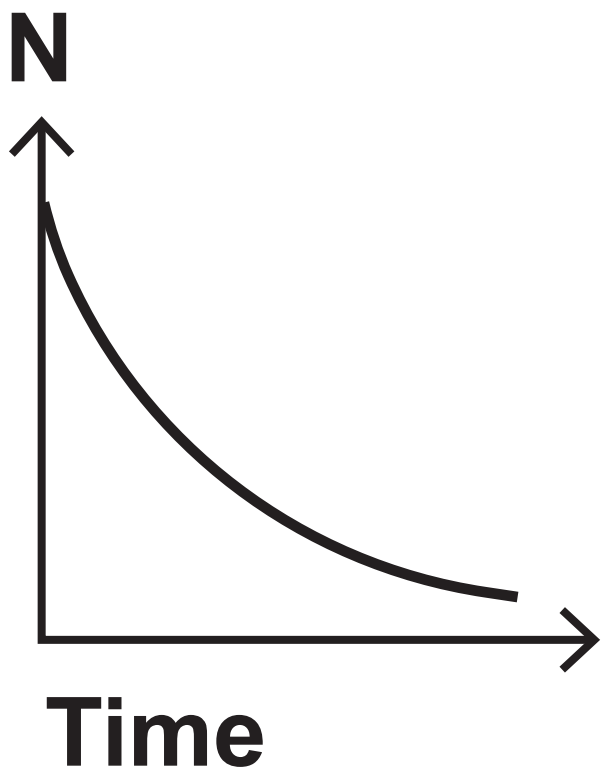
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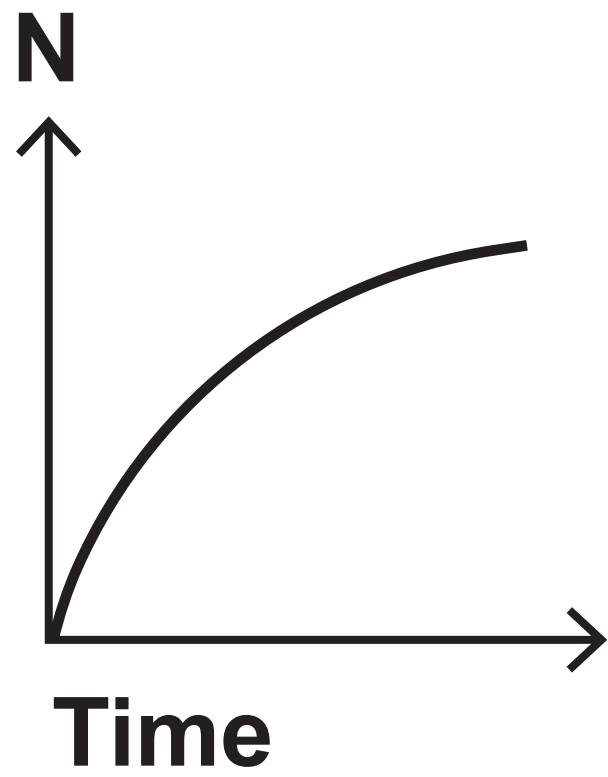


Question 8

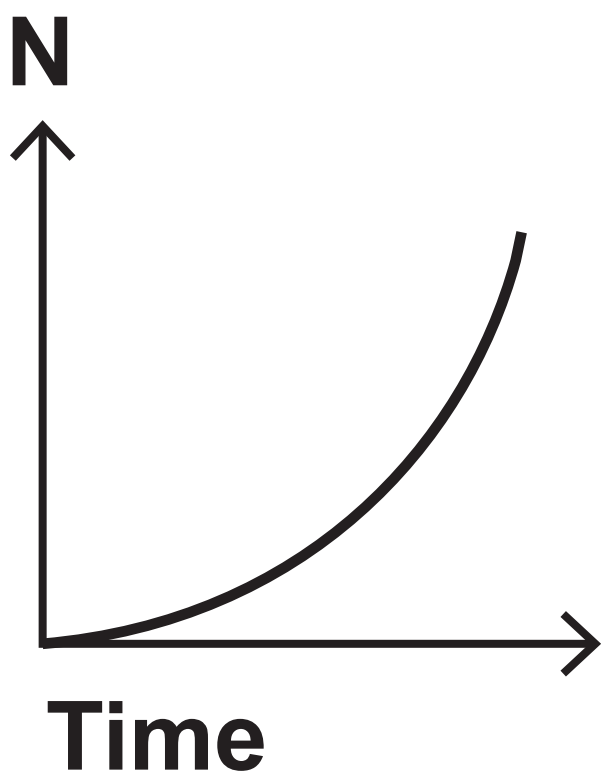
graph A



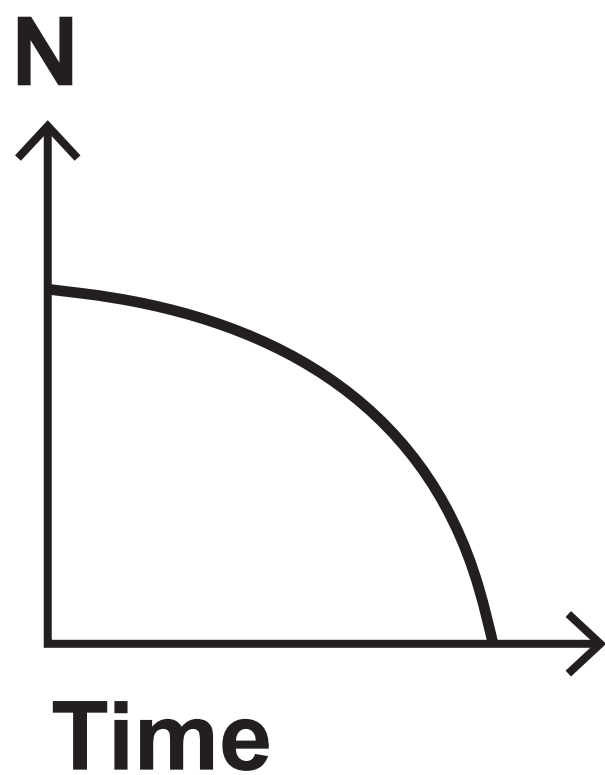
graph B



graph C



graph D

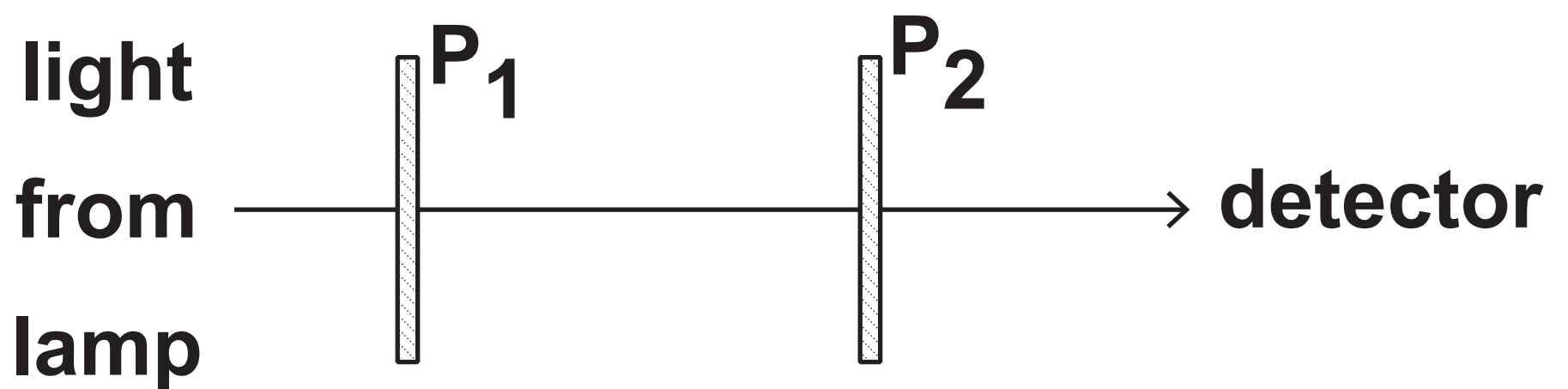


Question 9

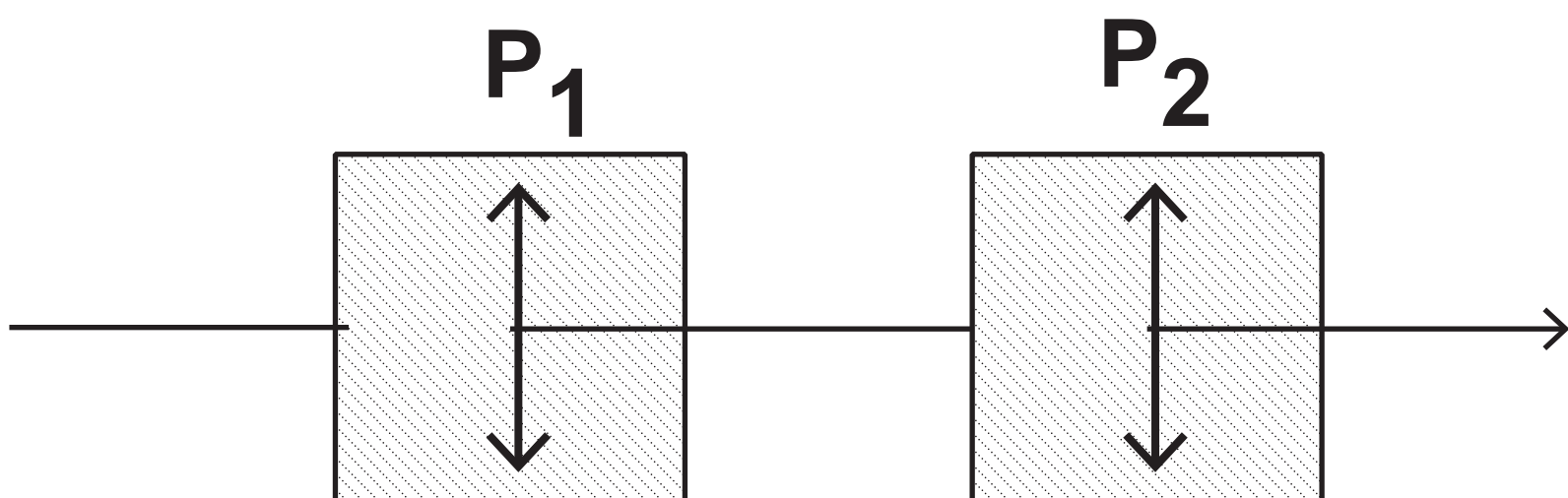
plane of
polarisation



side view



front view of the filters



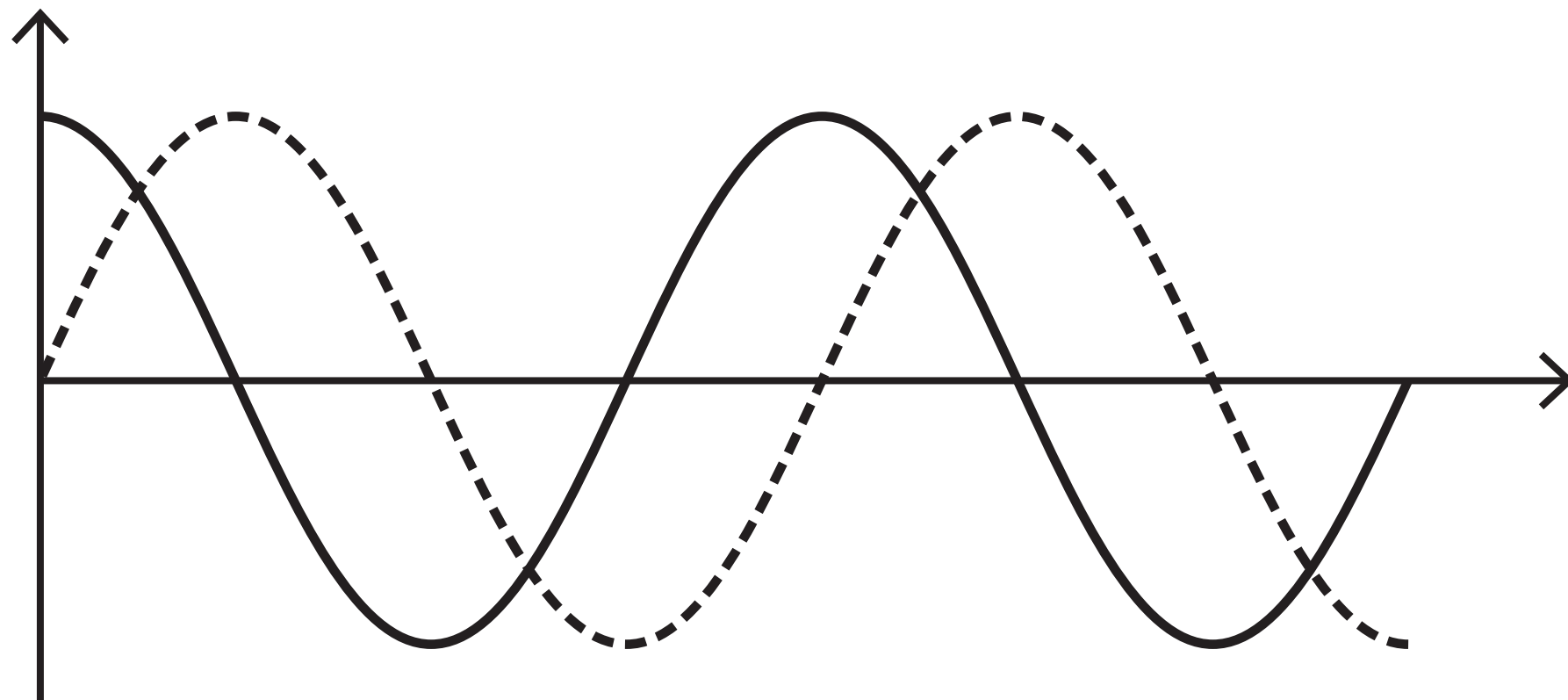
Question 10

KEY

X —

Y ----

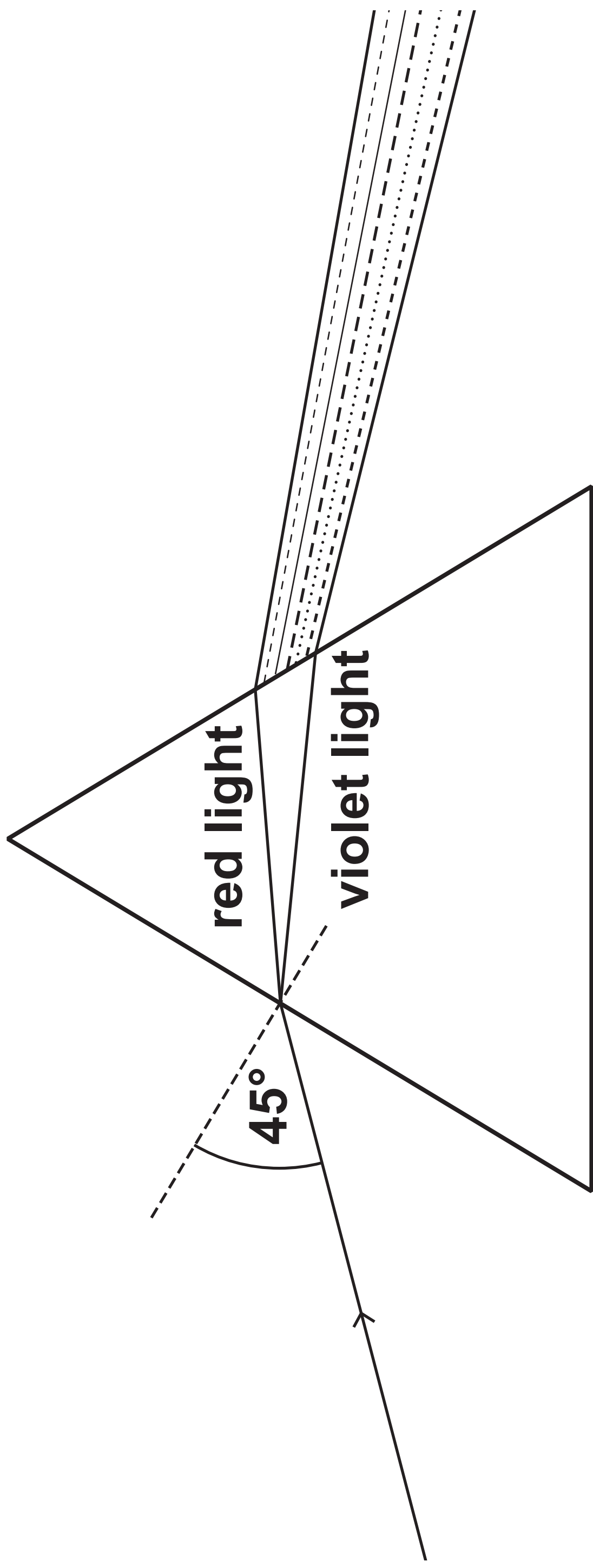
Displacement



Distance

Question 12

9



Question 14

DIAGRAM 1

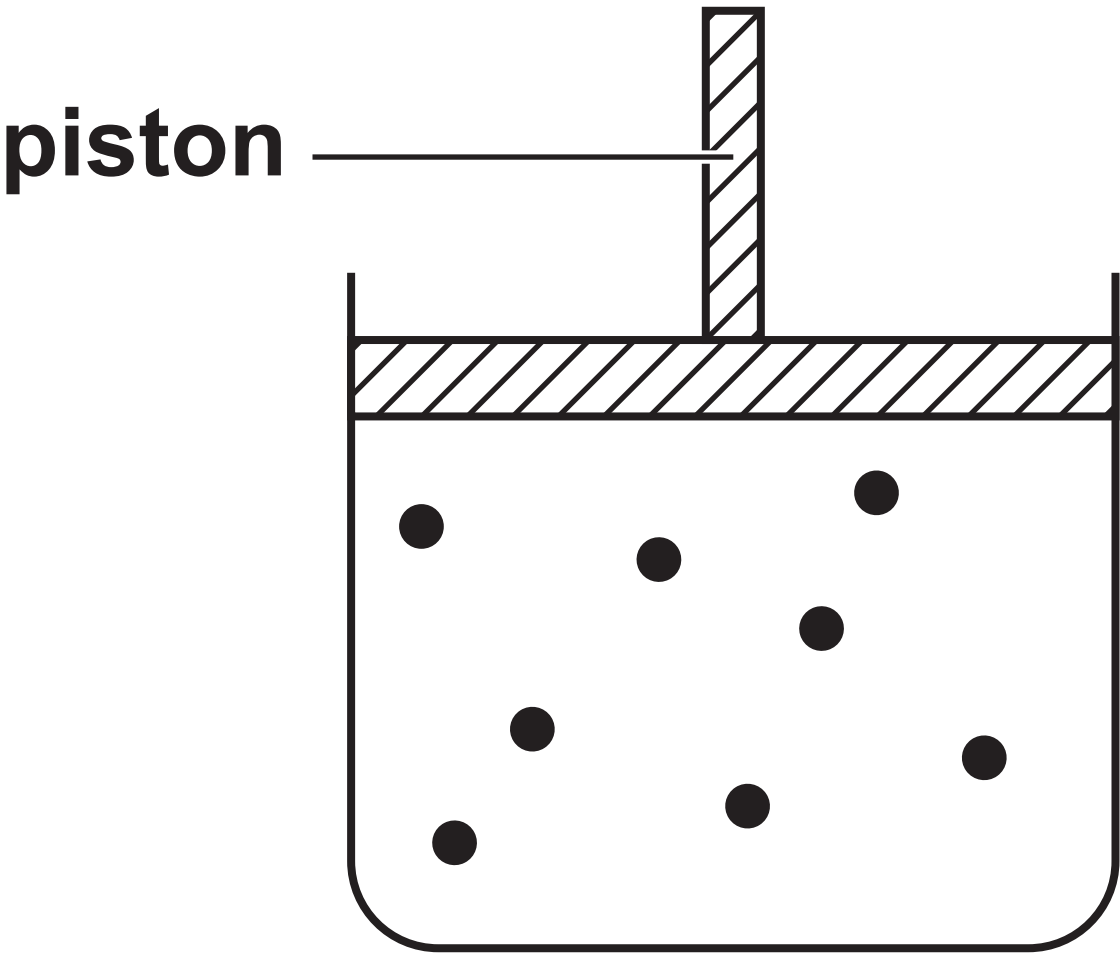
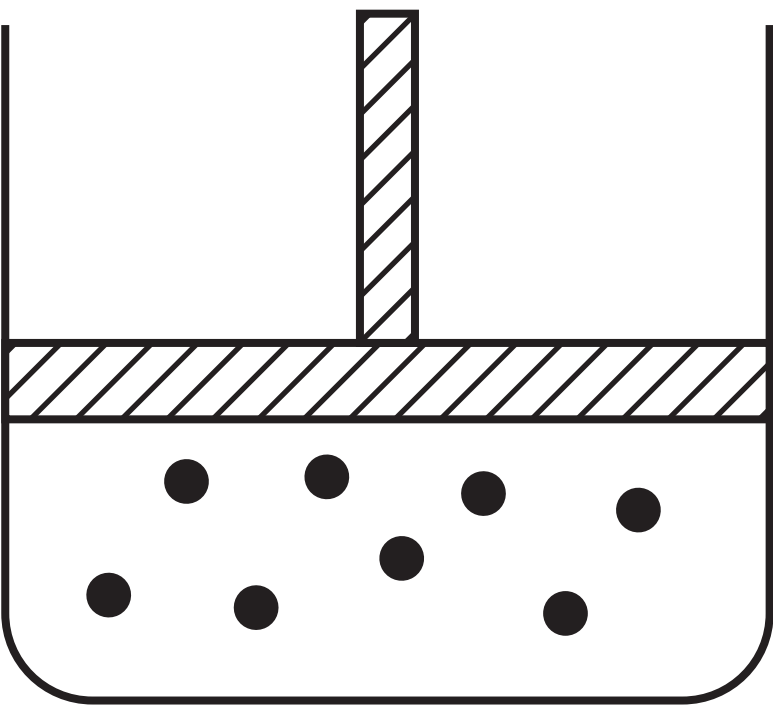
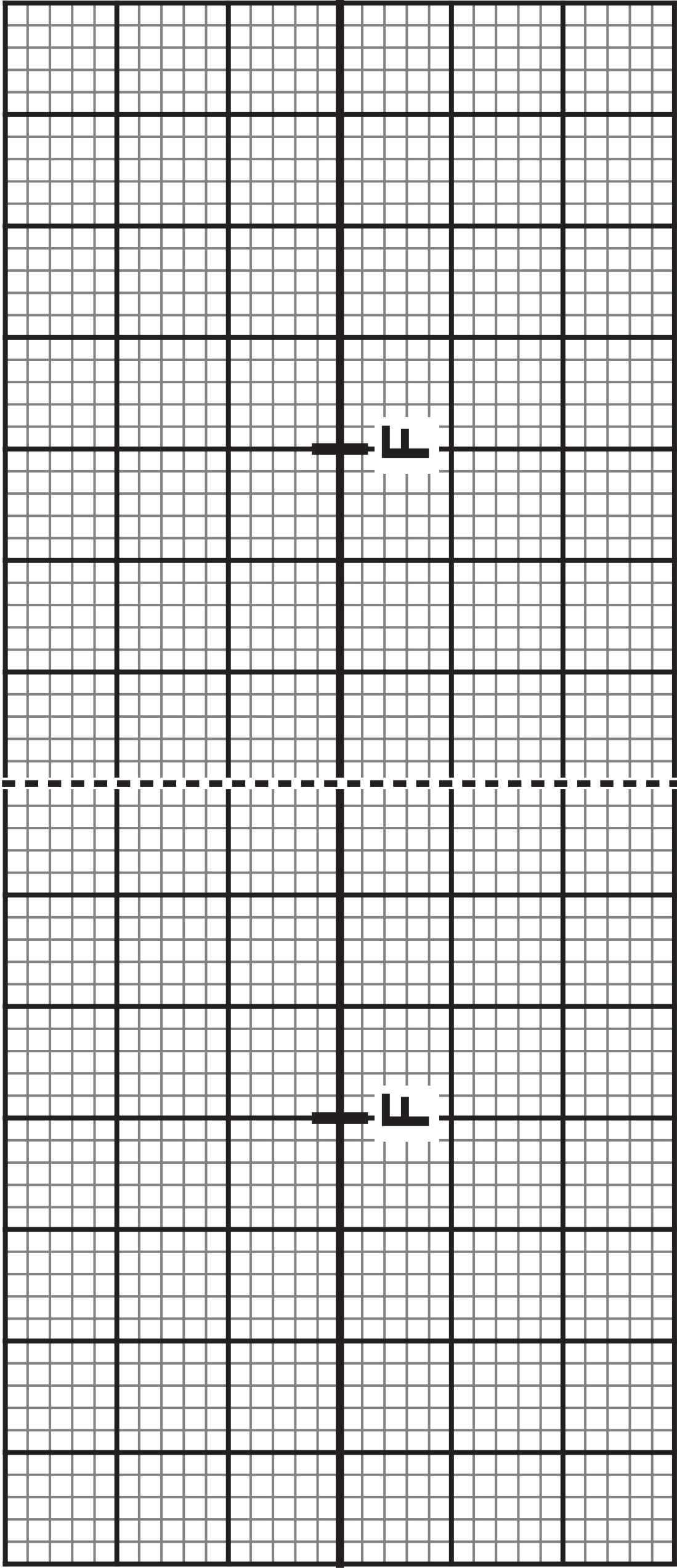


DIAGRAM 2



Question 16(c)

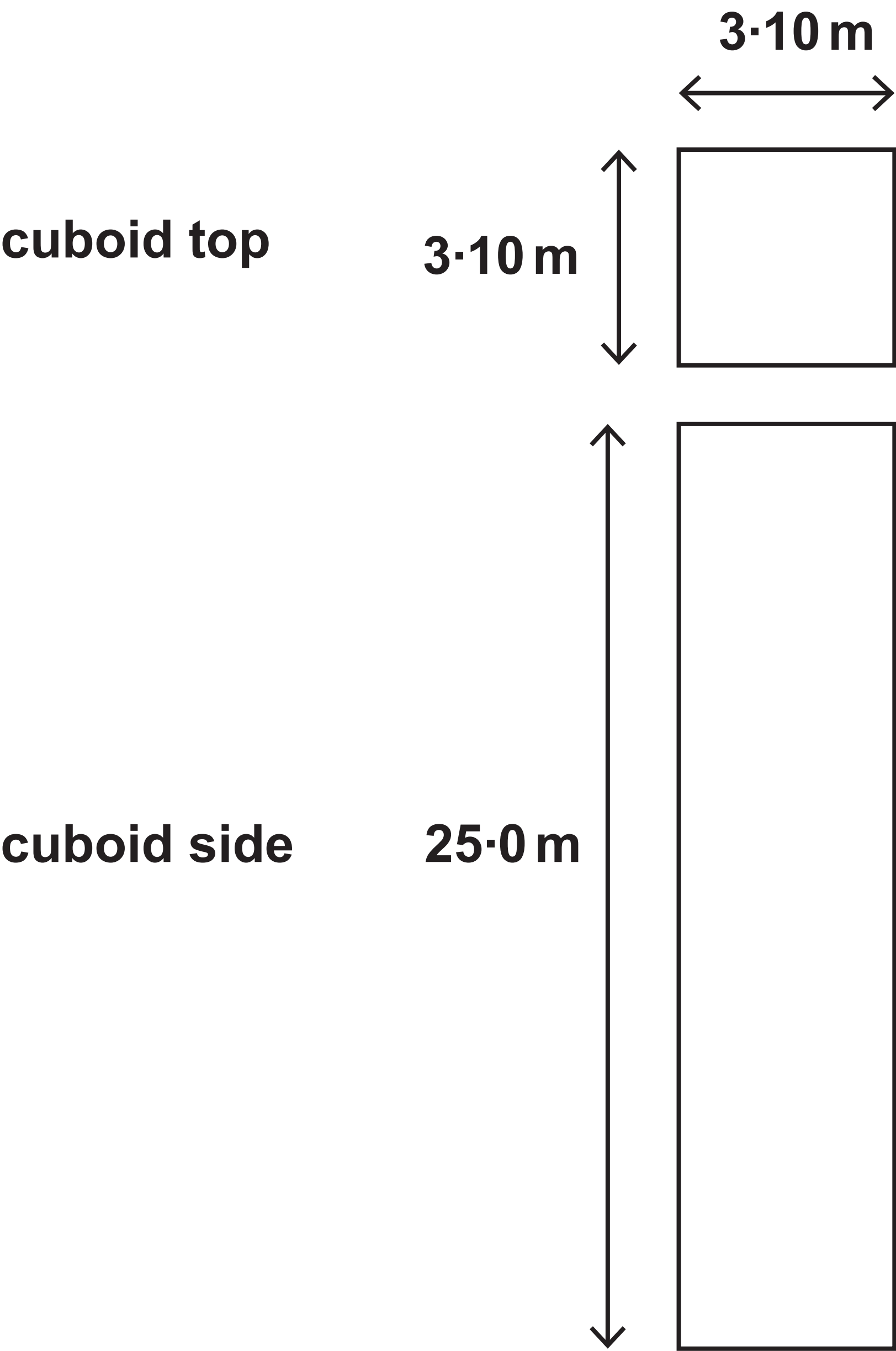
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Question 19 – photograph



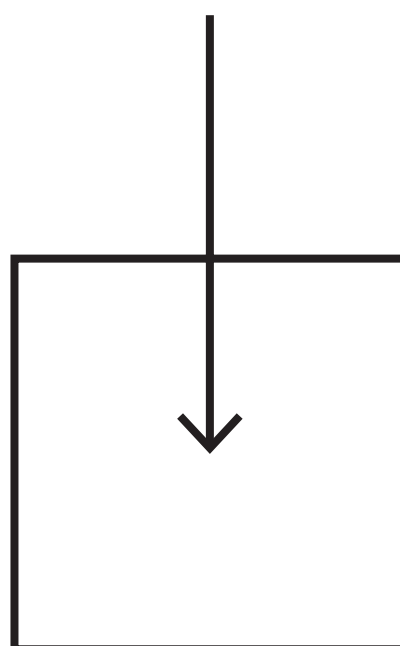
Question 19 – diagram



Question 19(b)(i)

$$I = 1350 \text{ W m}^{-2}$$

top of the sculpture



Question 20

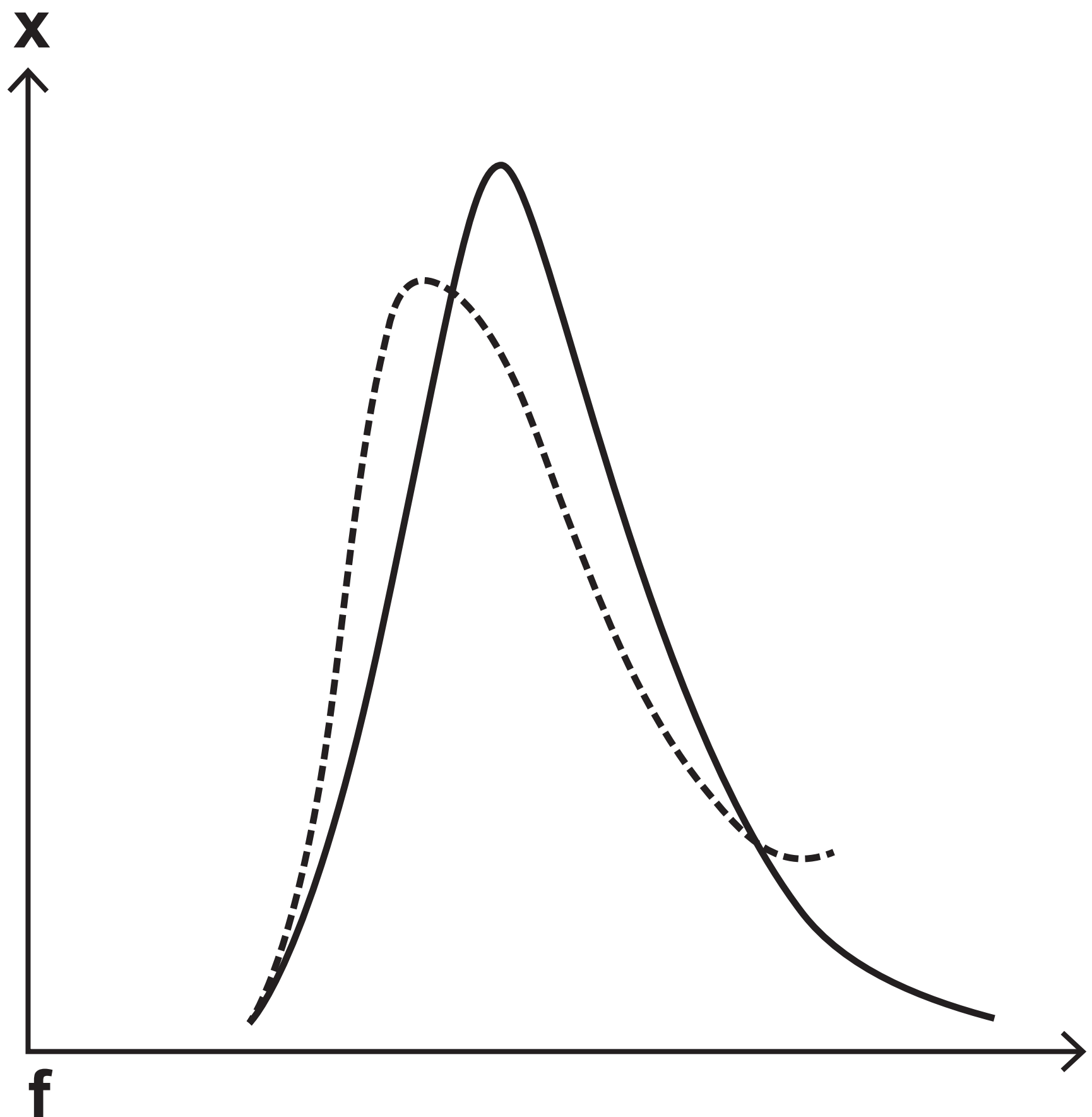


Question 20(b)(ii)

KEY

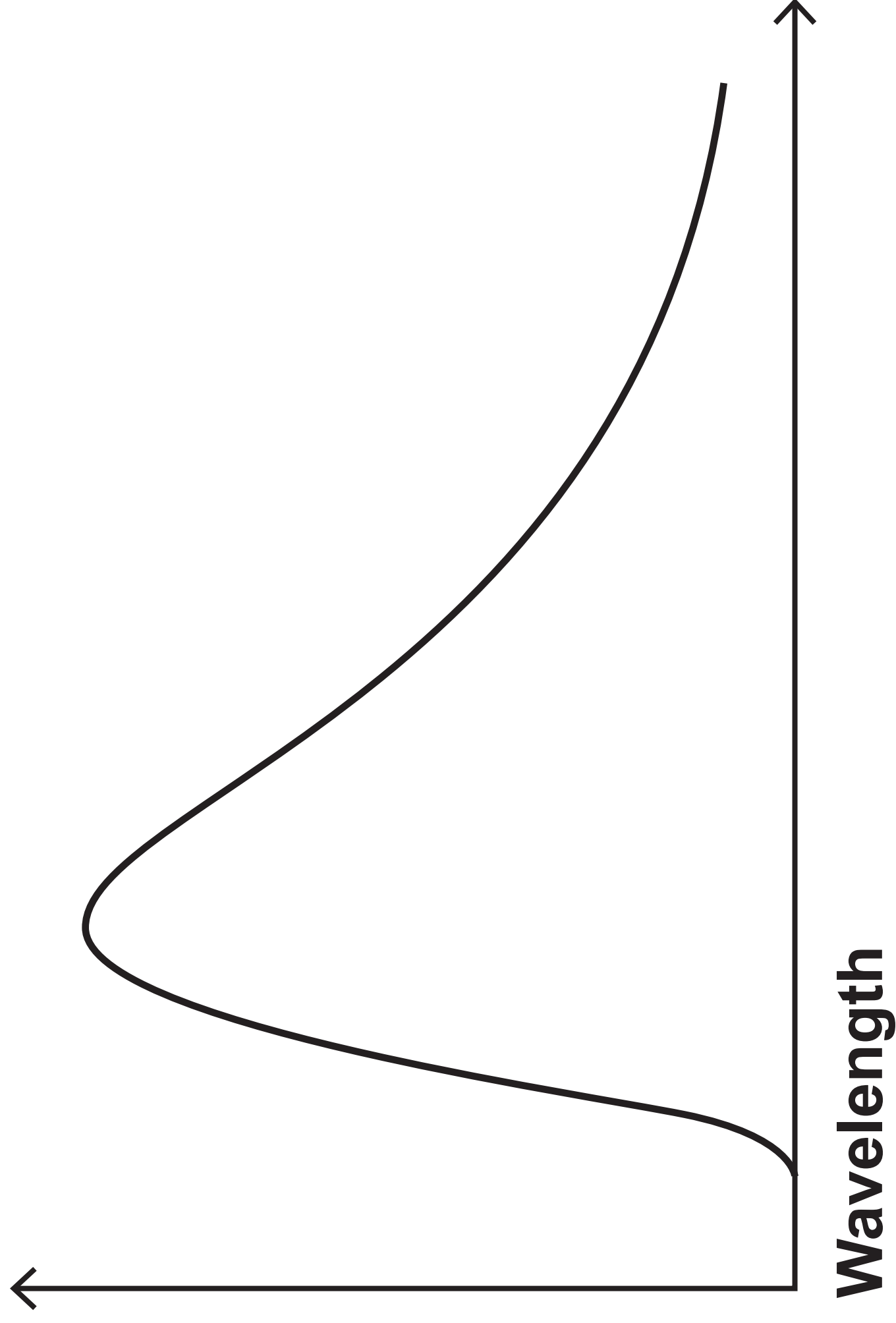
—— single tower

----- linked towers

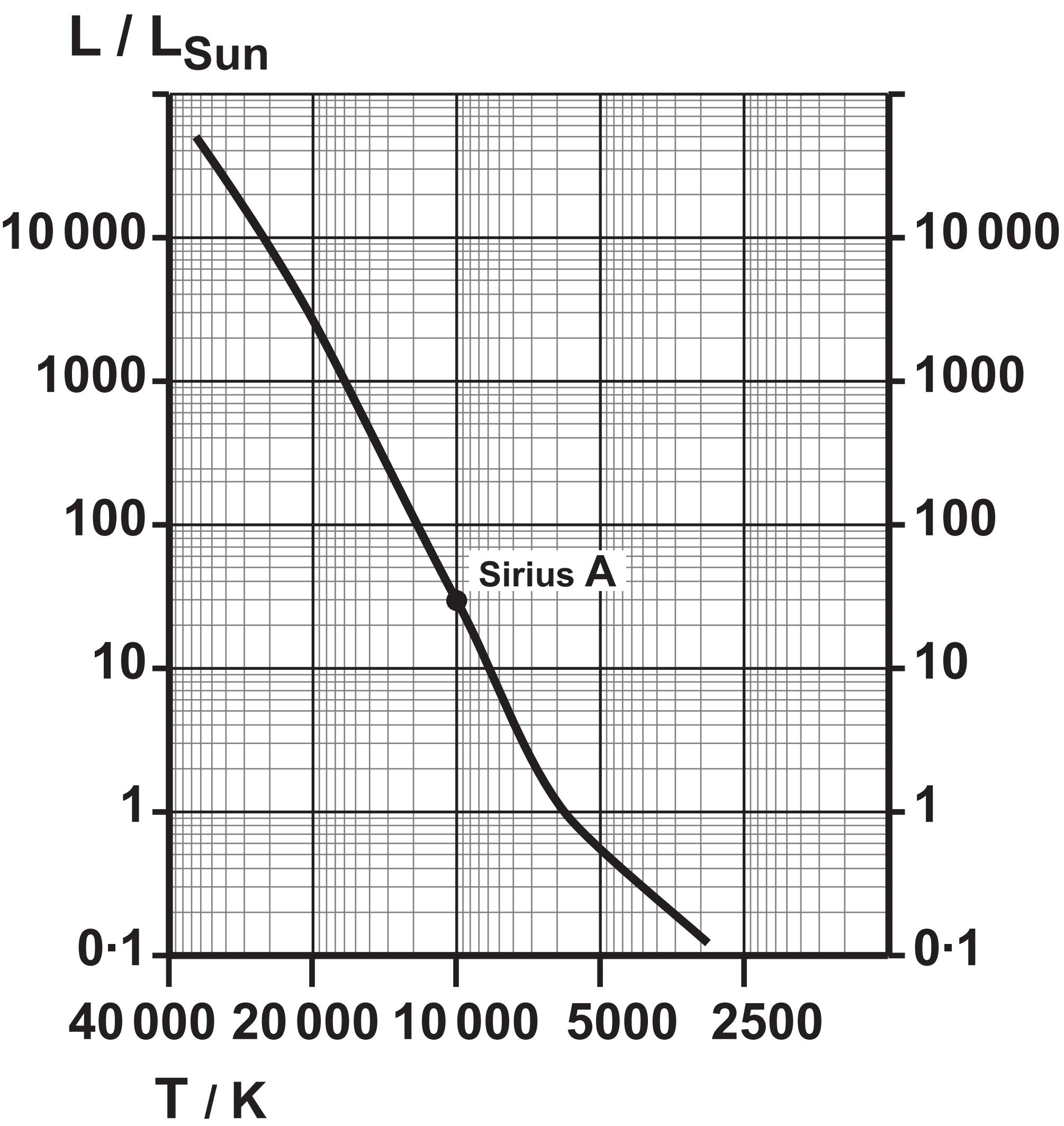


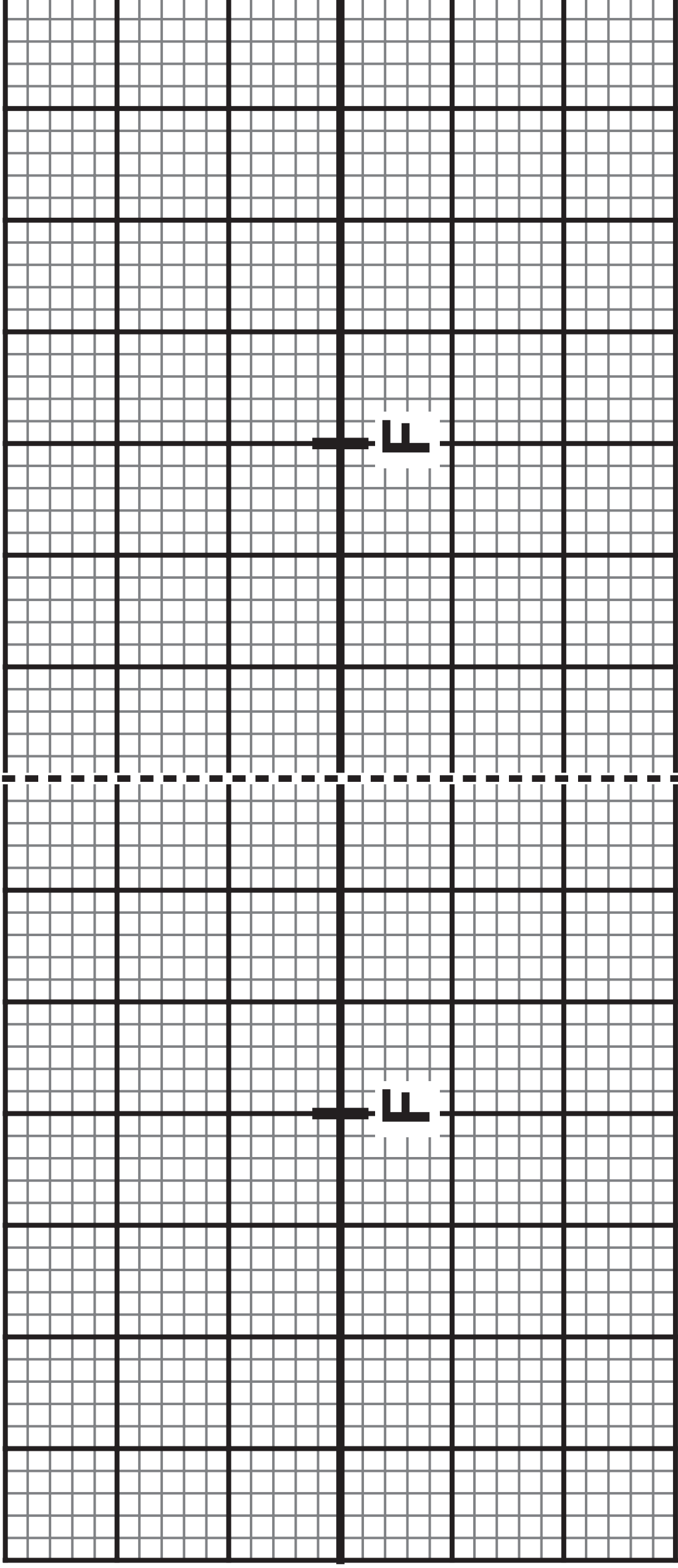
Question 21(b)

Rate at which energy is
radiated from Earth



Question 21(d)





diverging lens

Source information

Question 19

**Source: © Skye Hohmann / Alamy
Stock Photo**

Question 20

Source: © saiko3p / Shutterstock