

Paper Reference(s) 9PH0/03  
Pearson Edexcel Level 3 GCE

Physics  
Advanced  
PAPER 3: General and Practical Principles  
in Physics

Monday 17 June 2024 – Morning  
Time: 2 hours 30 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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# Question 1

4

wooden blocks

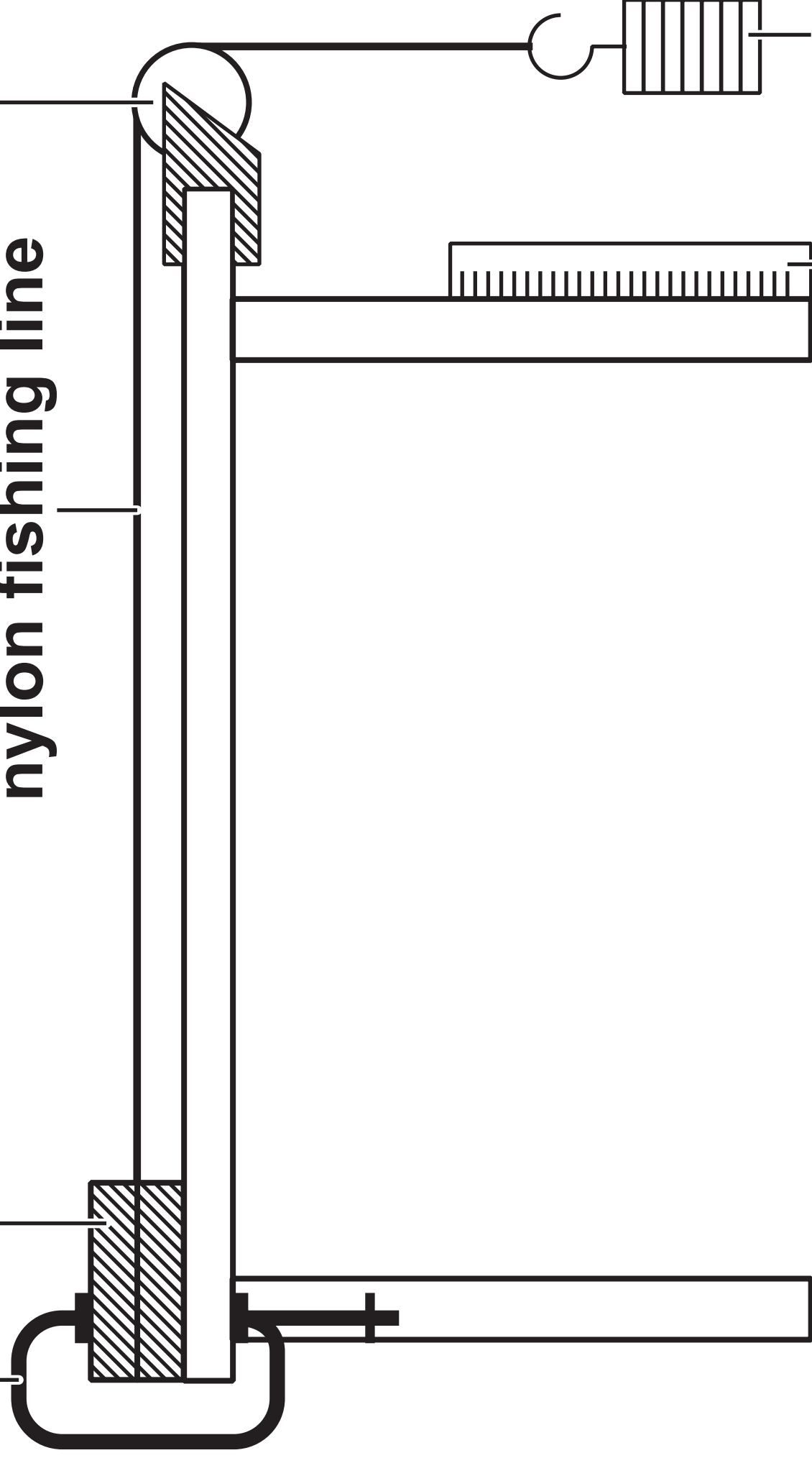
G-clamp

pulley

nylon fishing line

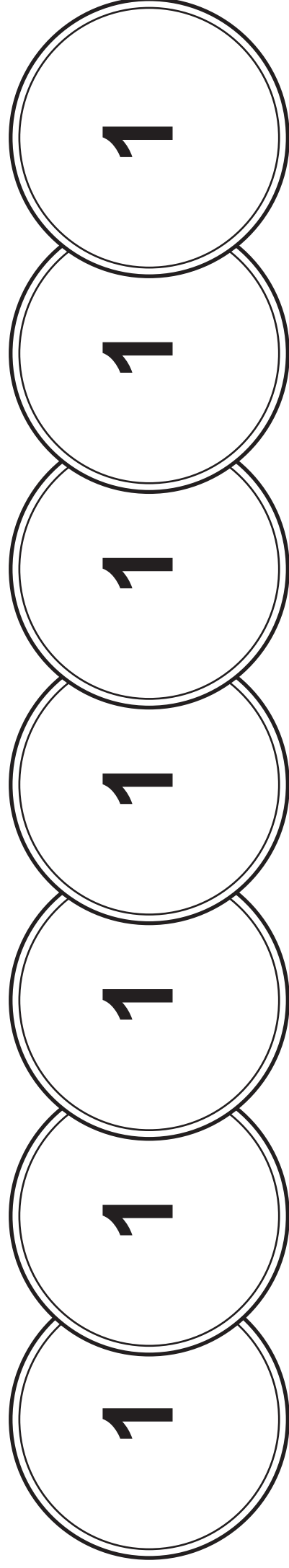
mass holder  
and masses

metre rule

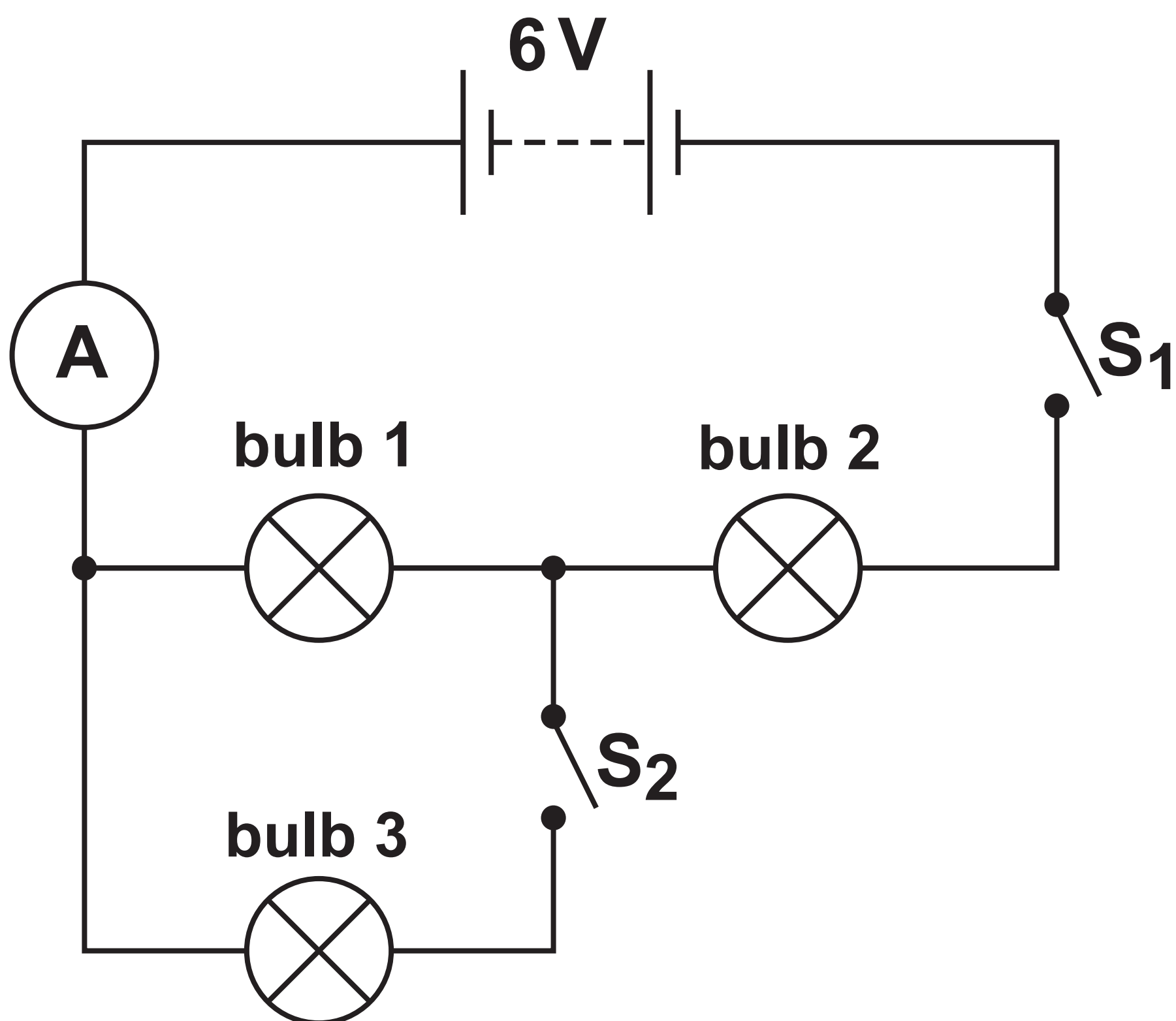


## Question 2

5

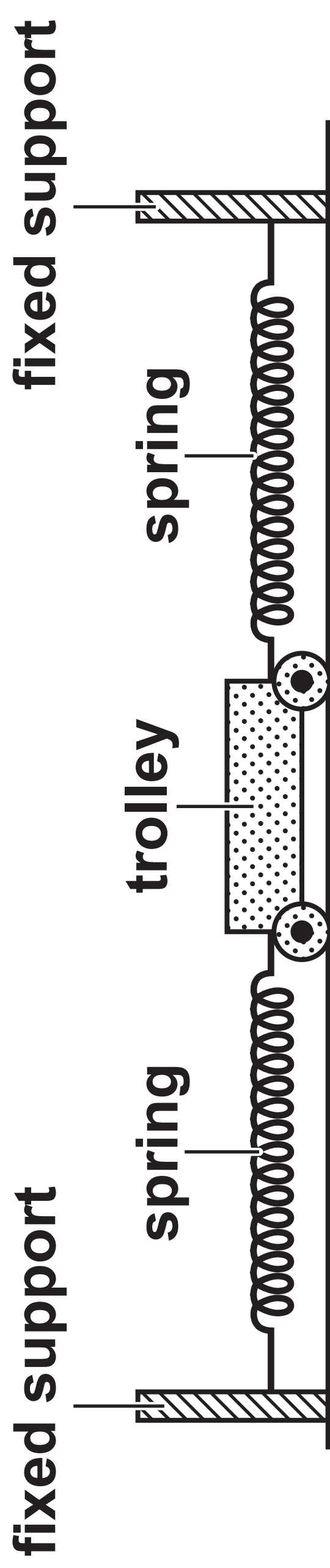


## Question 3



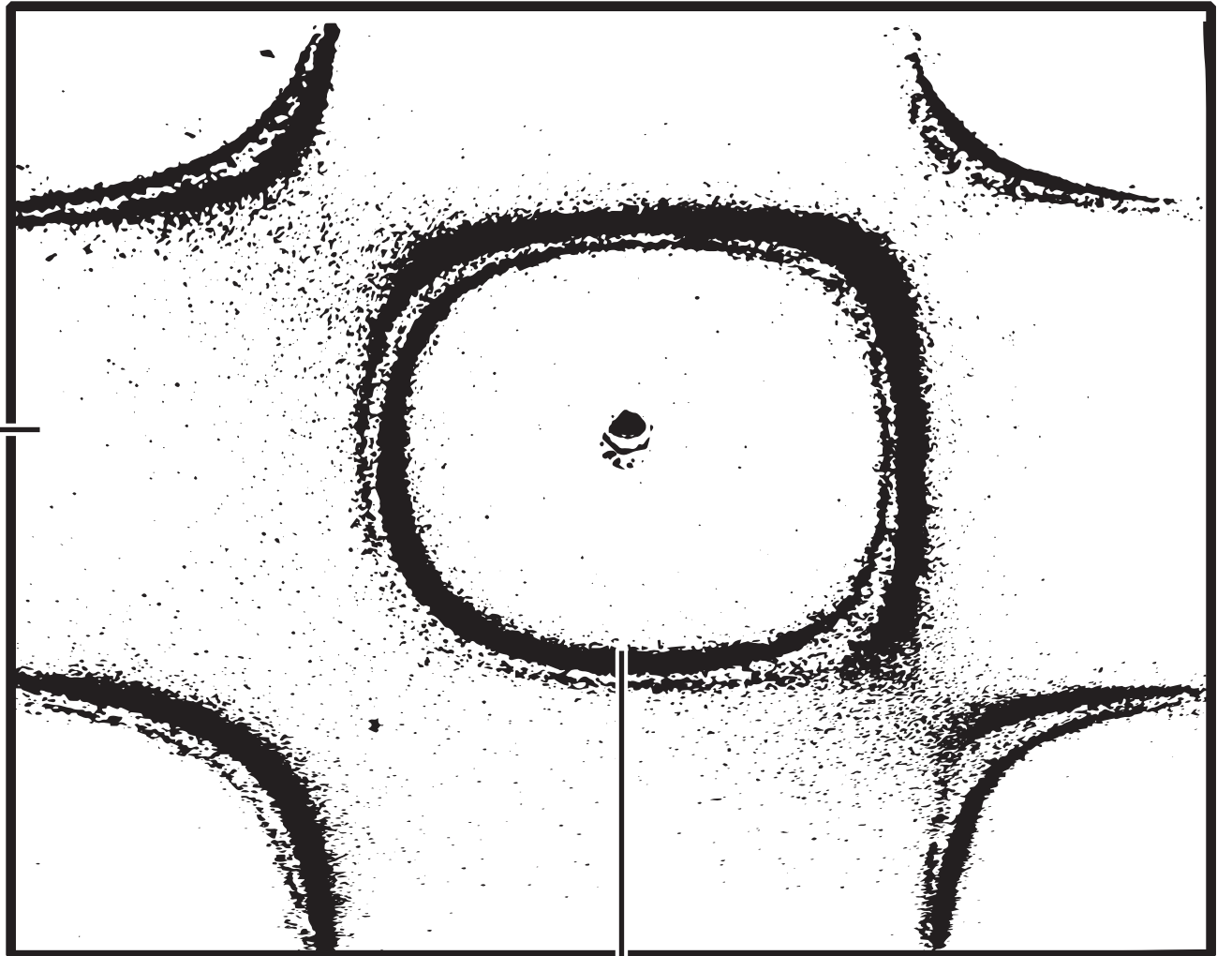
# Question 5

7



## Question 6

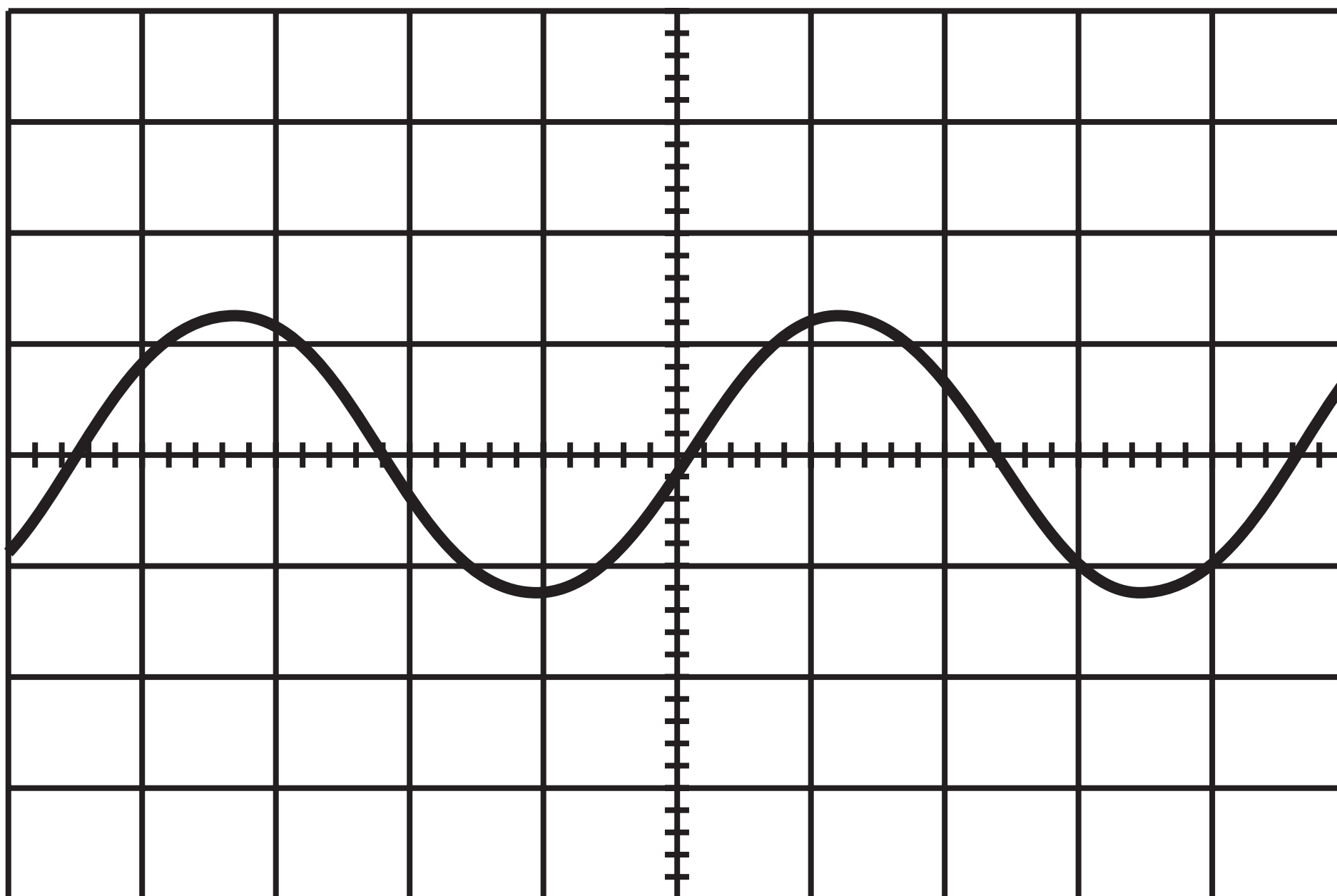
**vibrating metal  
plate**



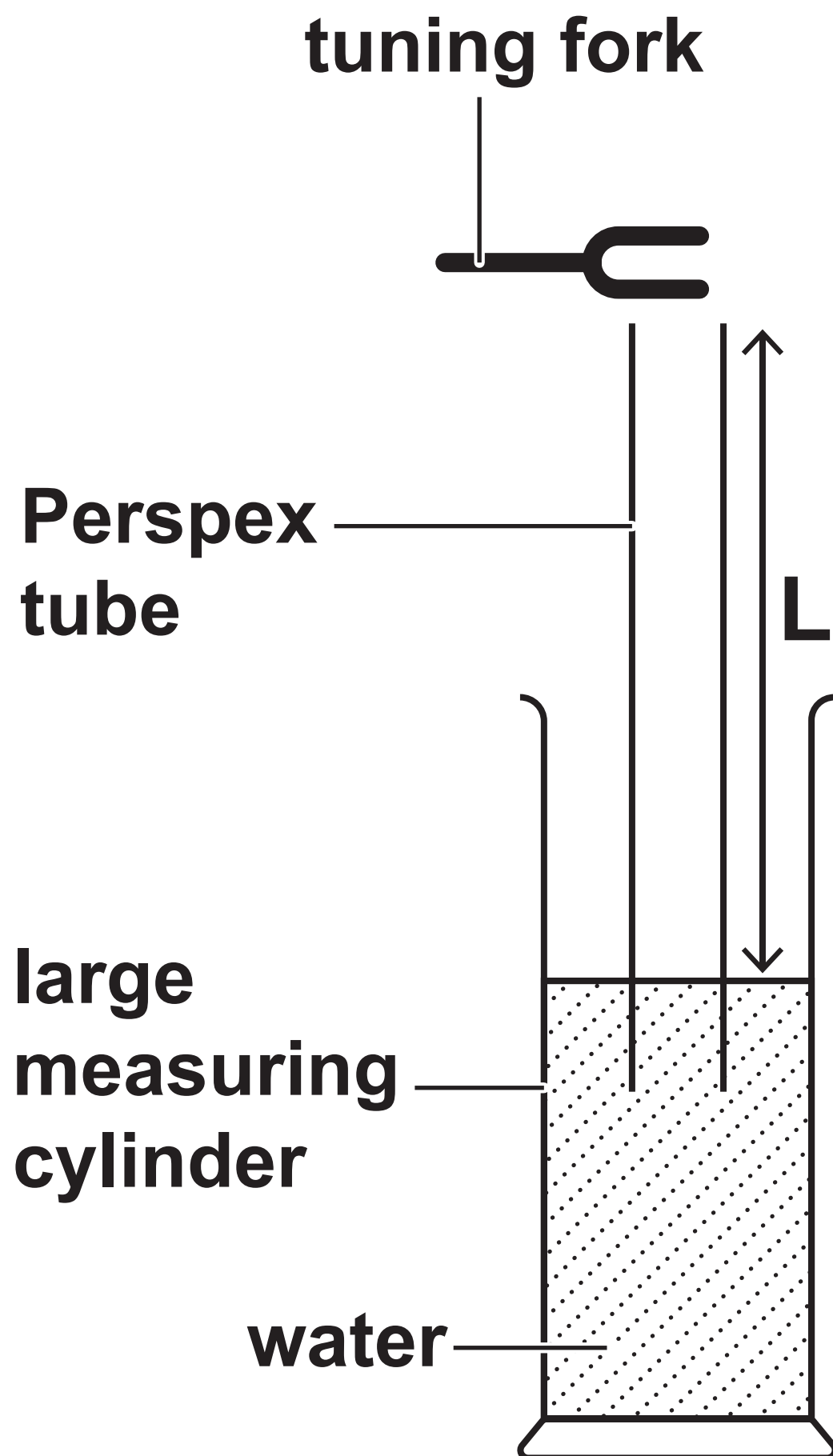
**sand**



## Question 6(b)



## Question 6(c)



## Question 7(a)



## Question 7(c)

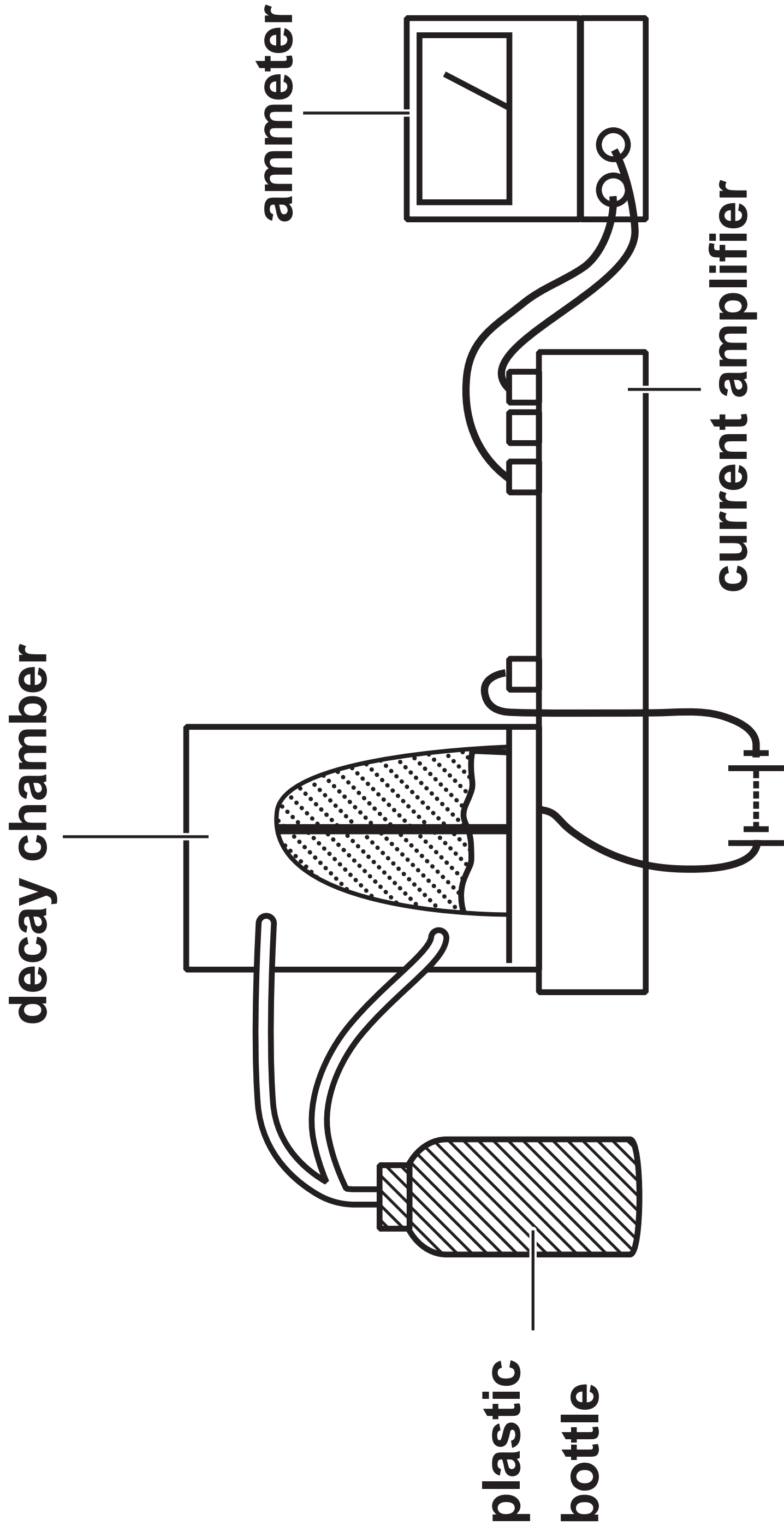


FIGURE 1

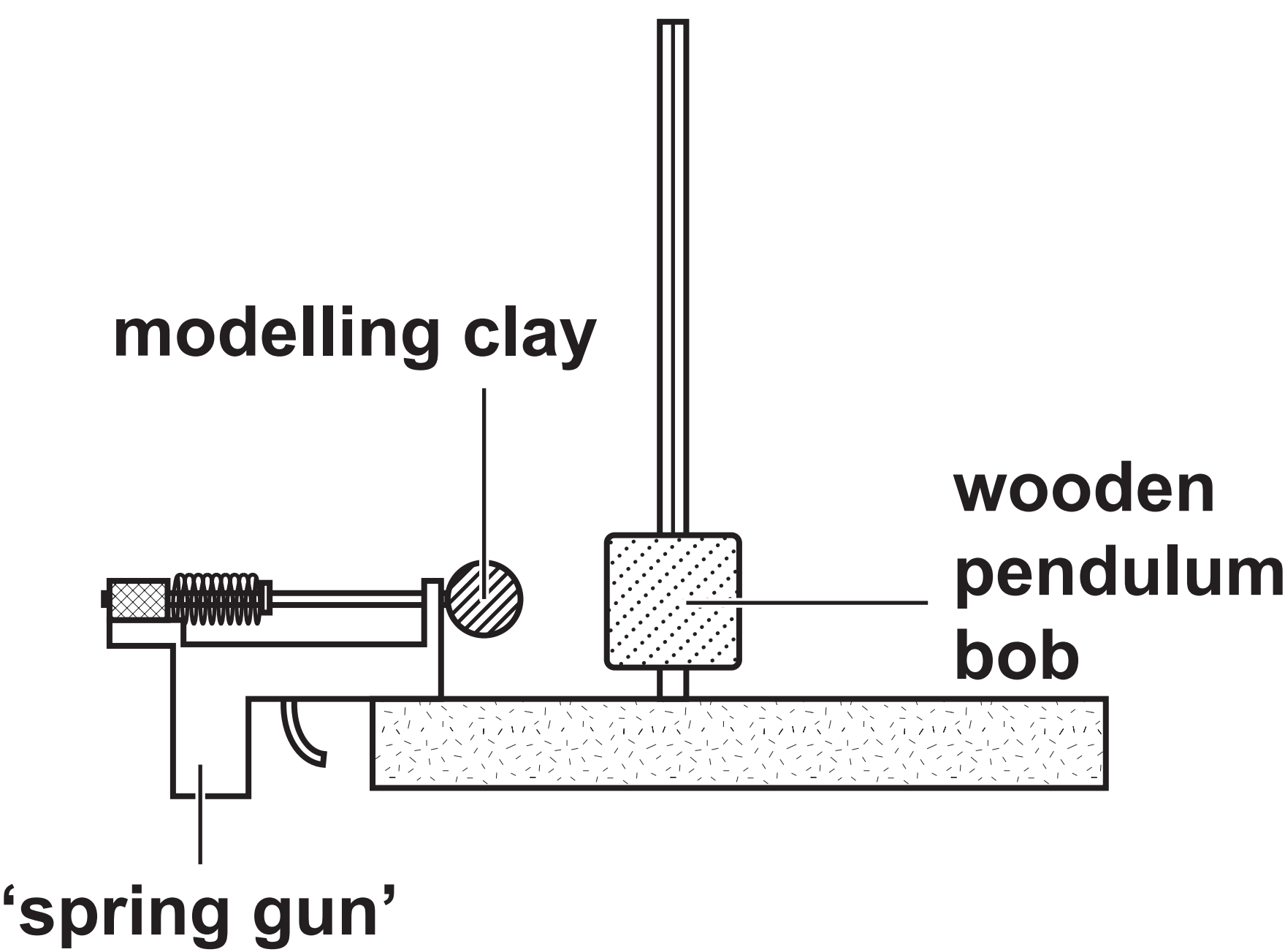
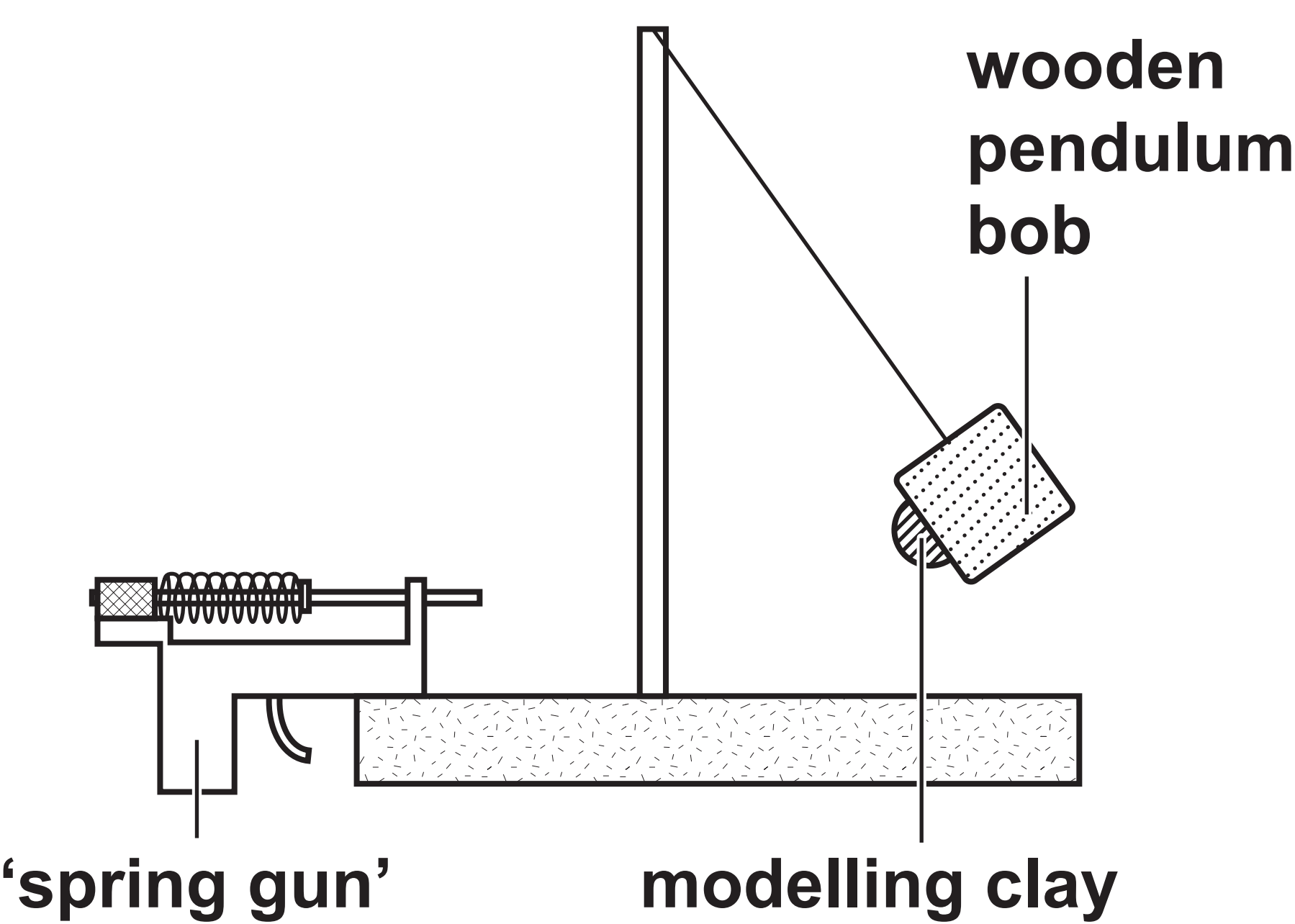
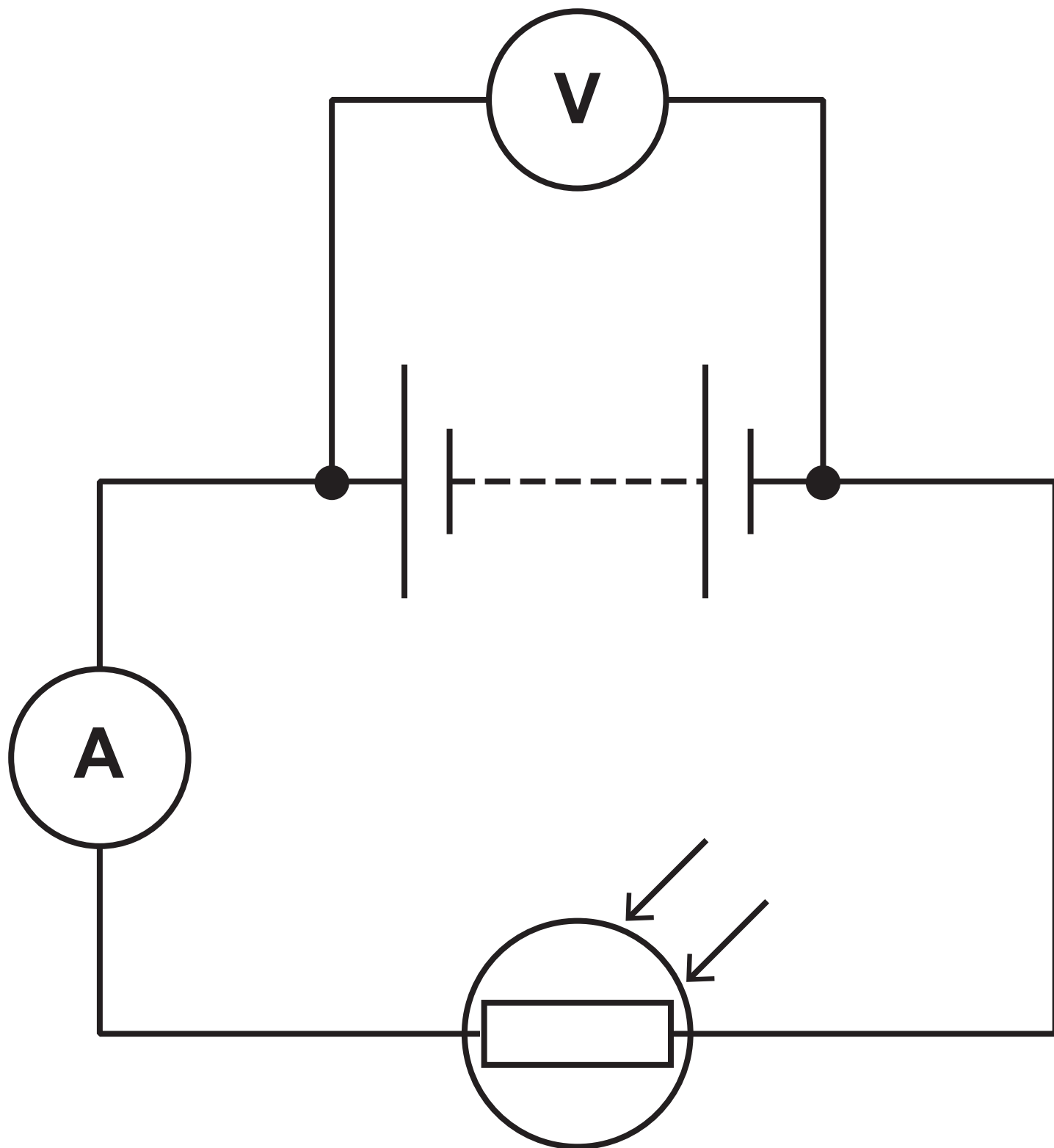


FIGURE 2



## Question 9 – circuit diagram



# Question 9

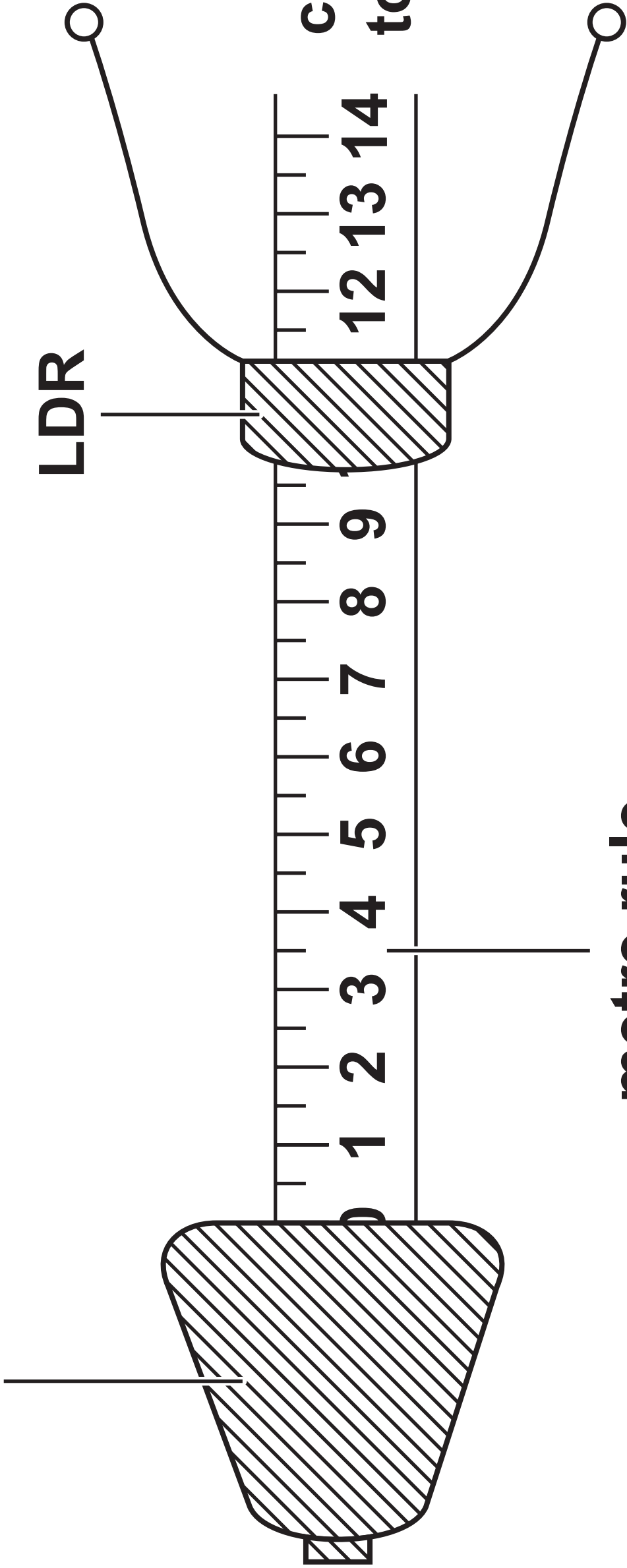
15

desk lamp

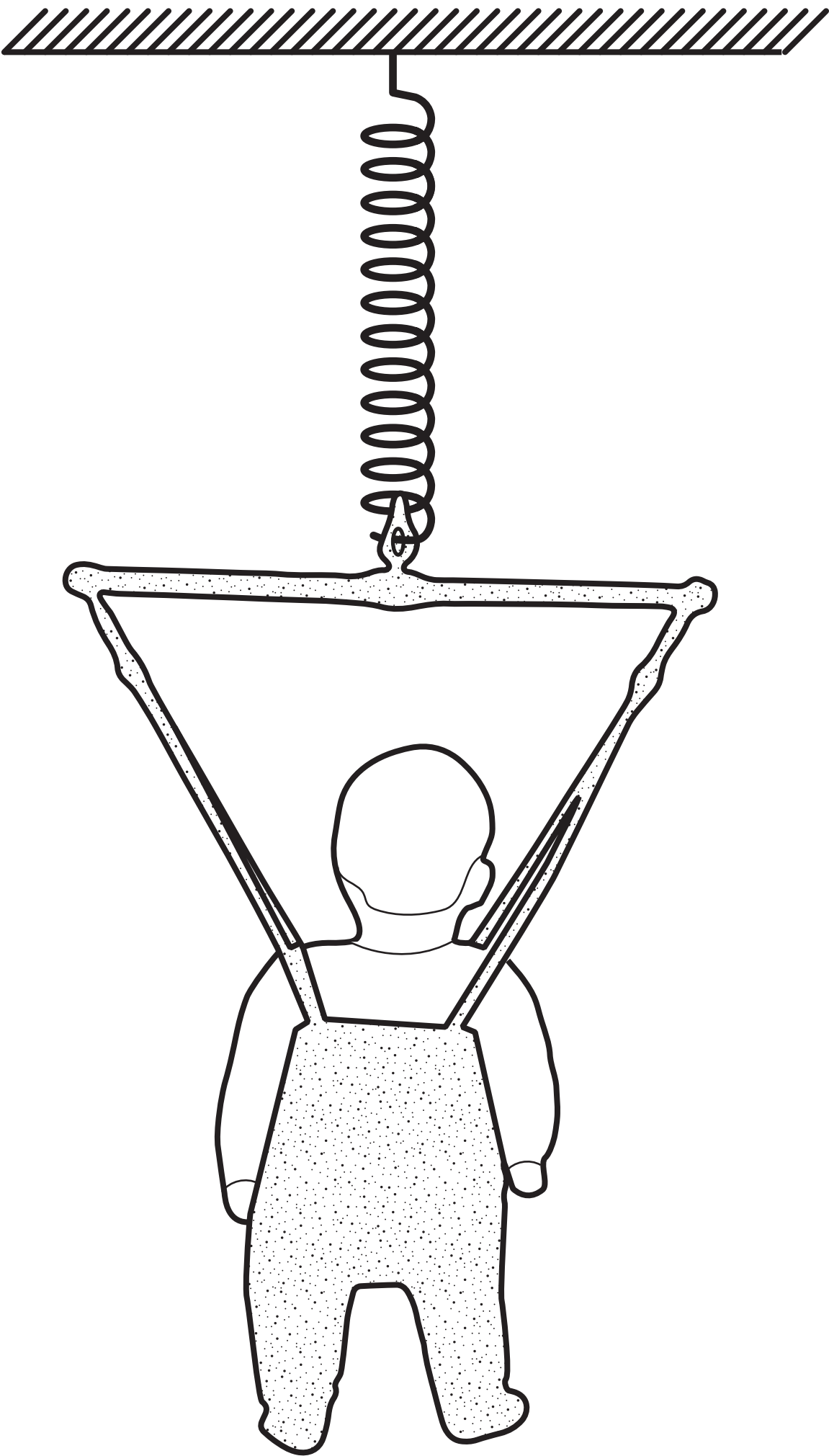
LDR

connection  
to circuit

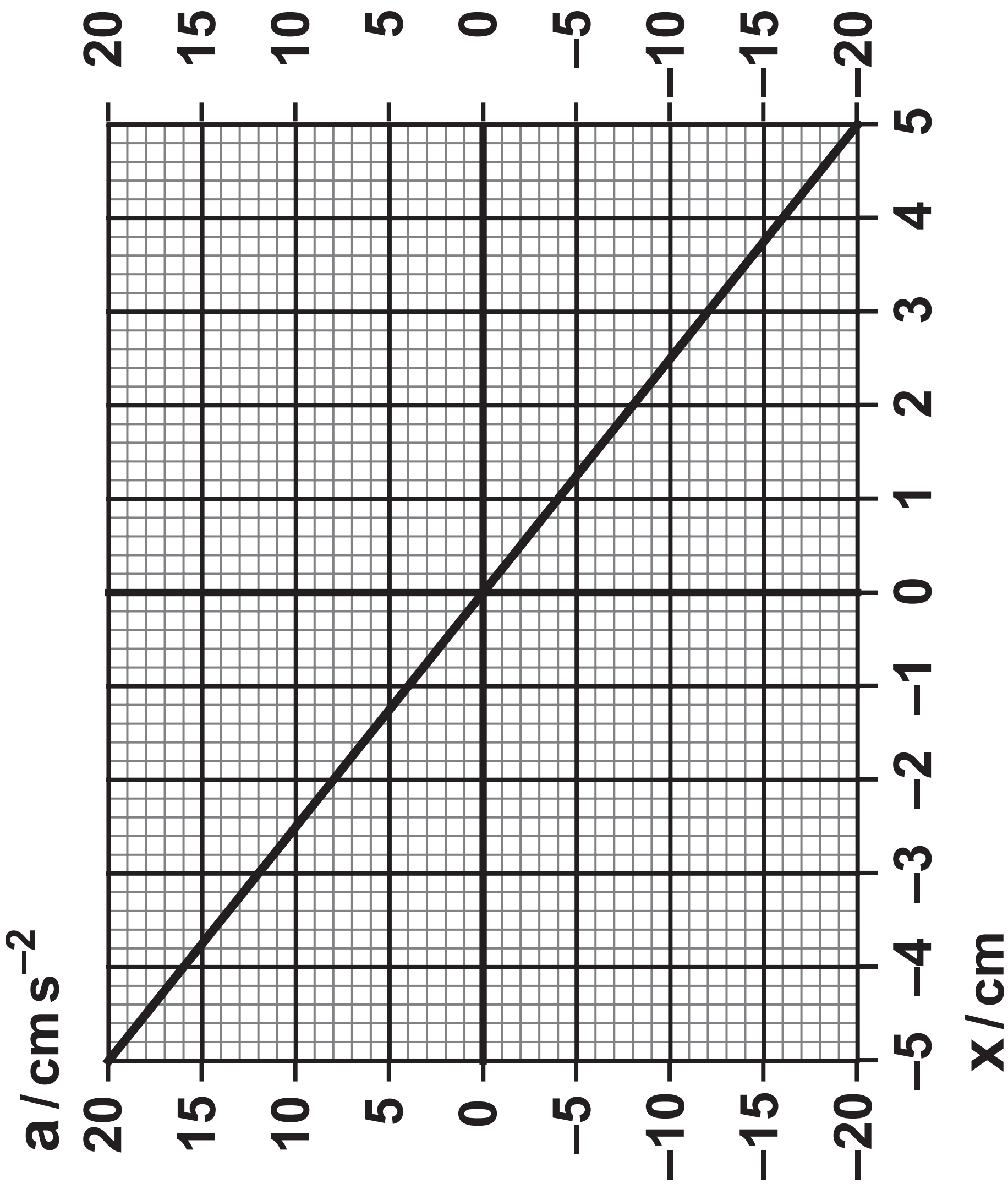
metre rule



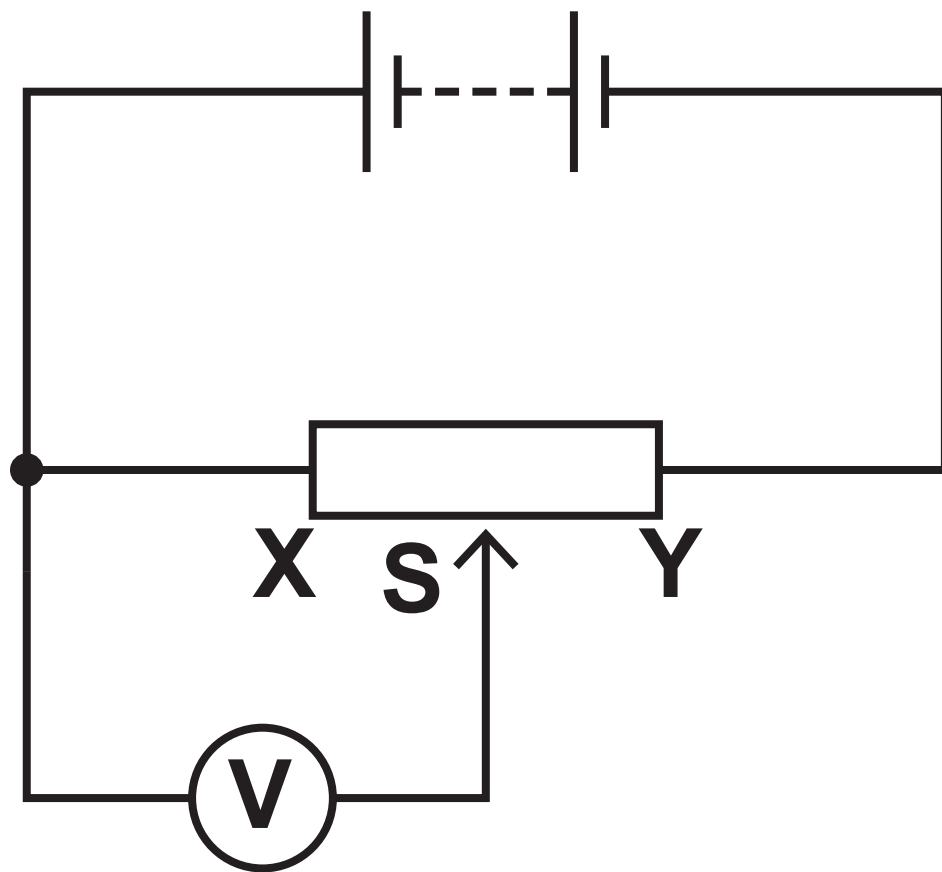
Question 10



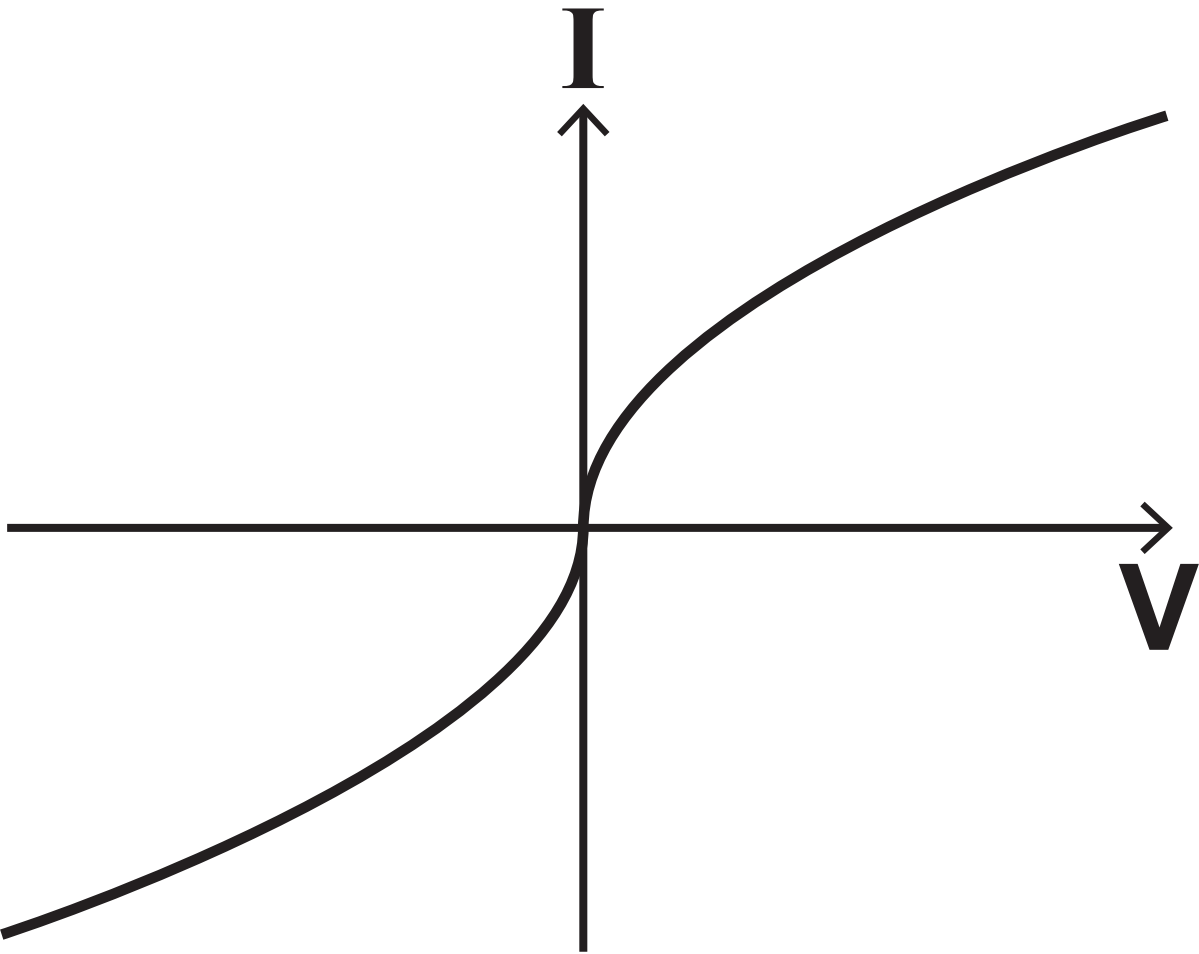




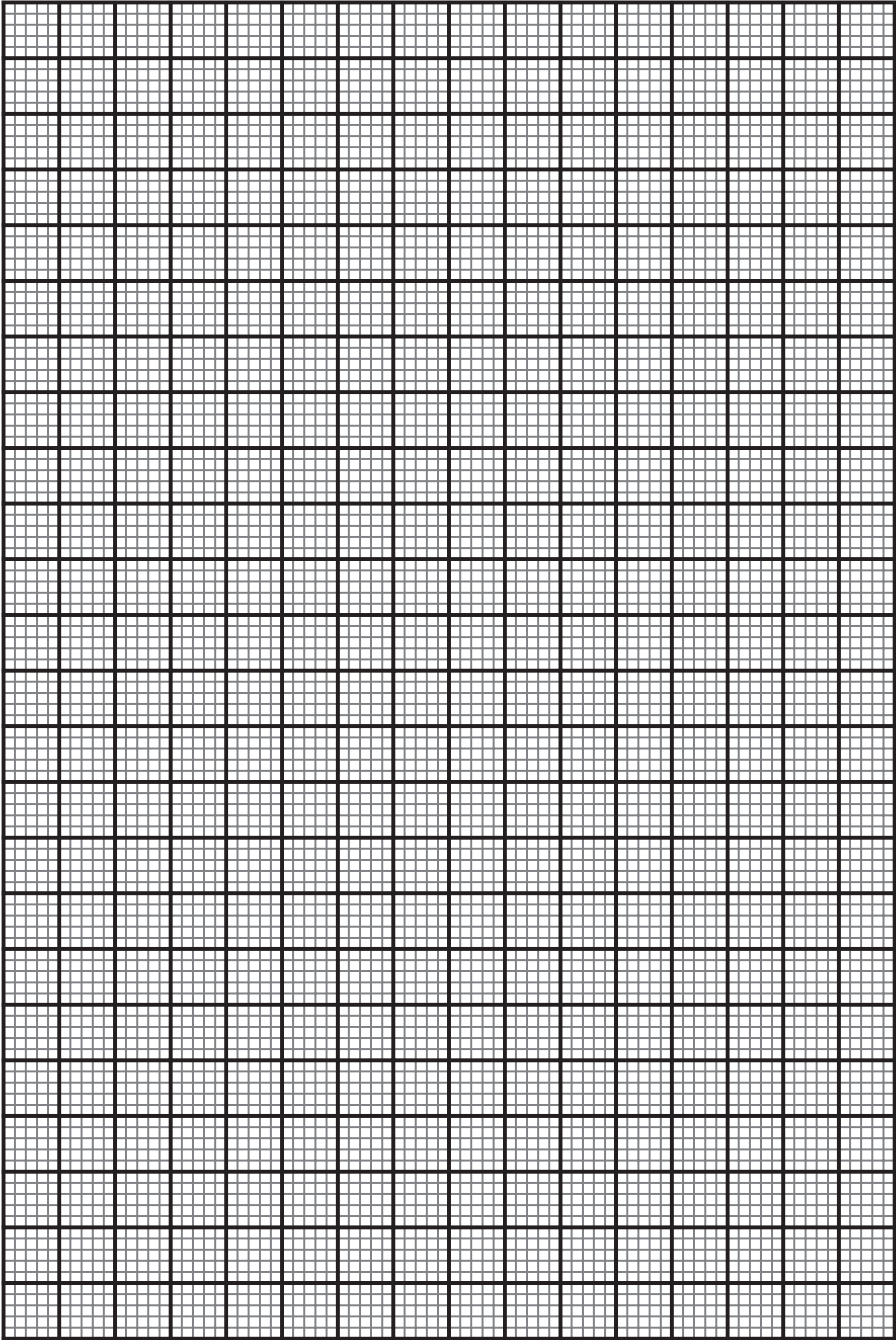
## Question 11



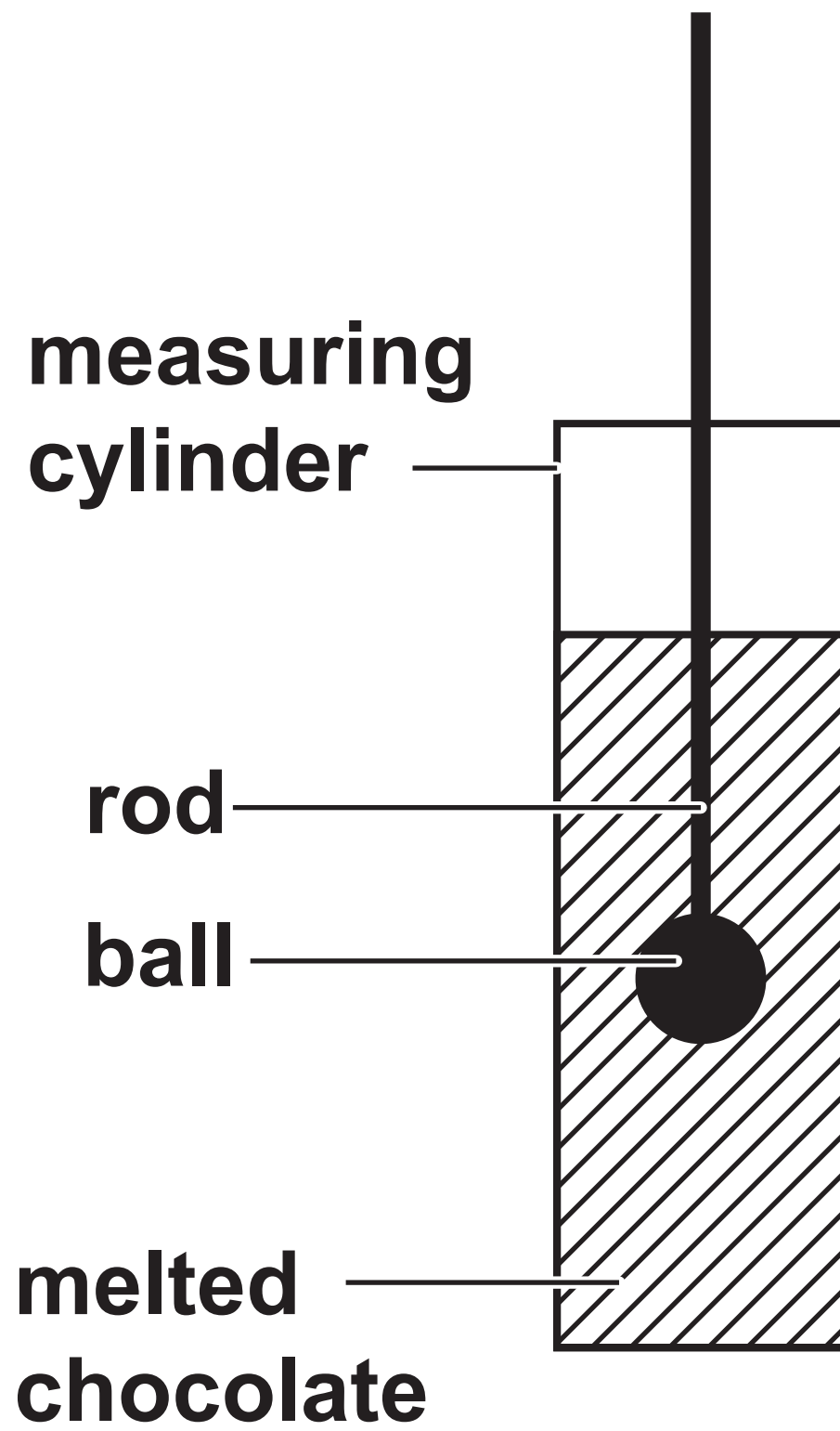
Question 11(b)



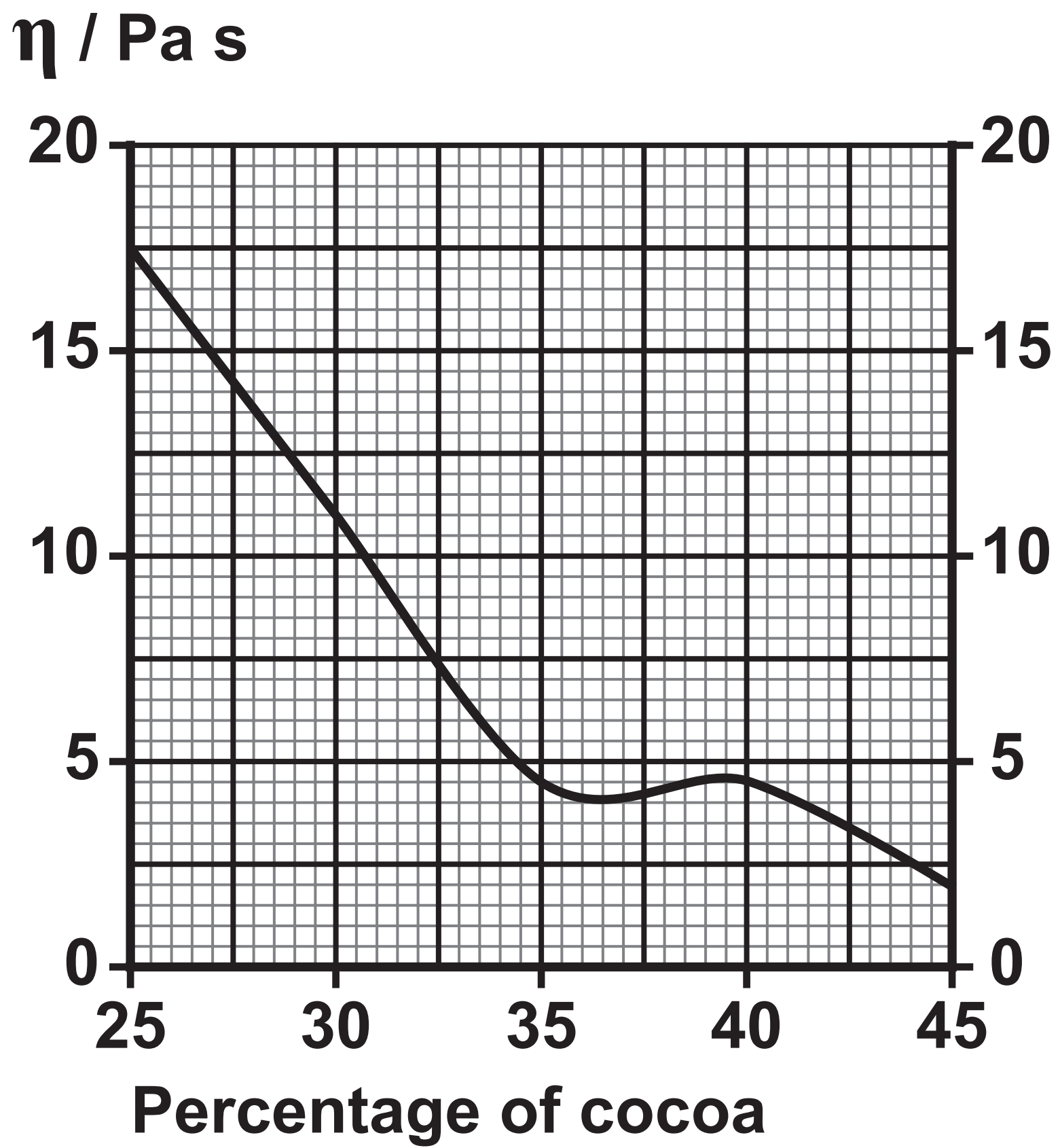
Question 11(c)(ii)



## Question 12(a)



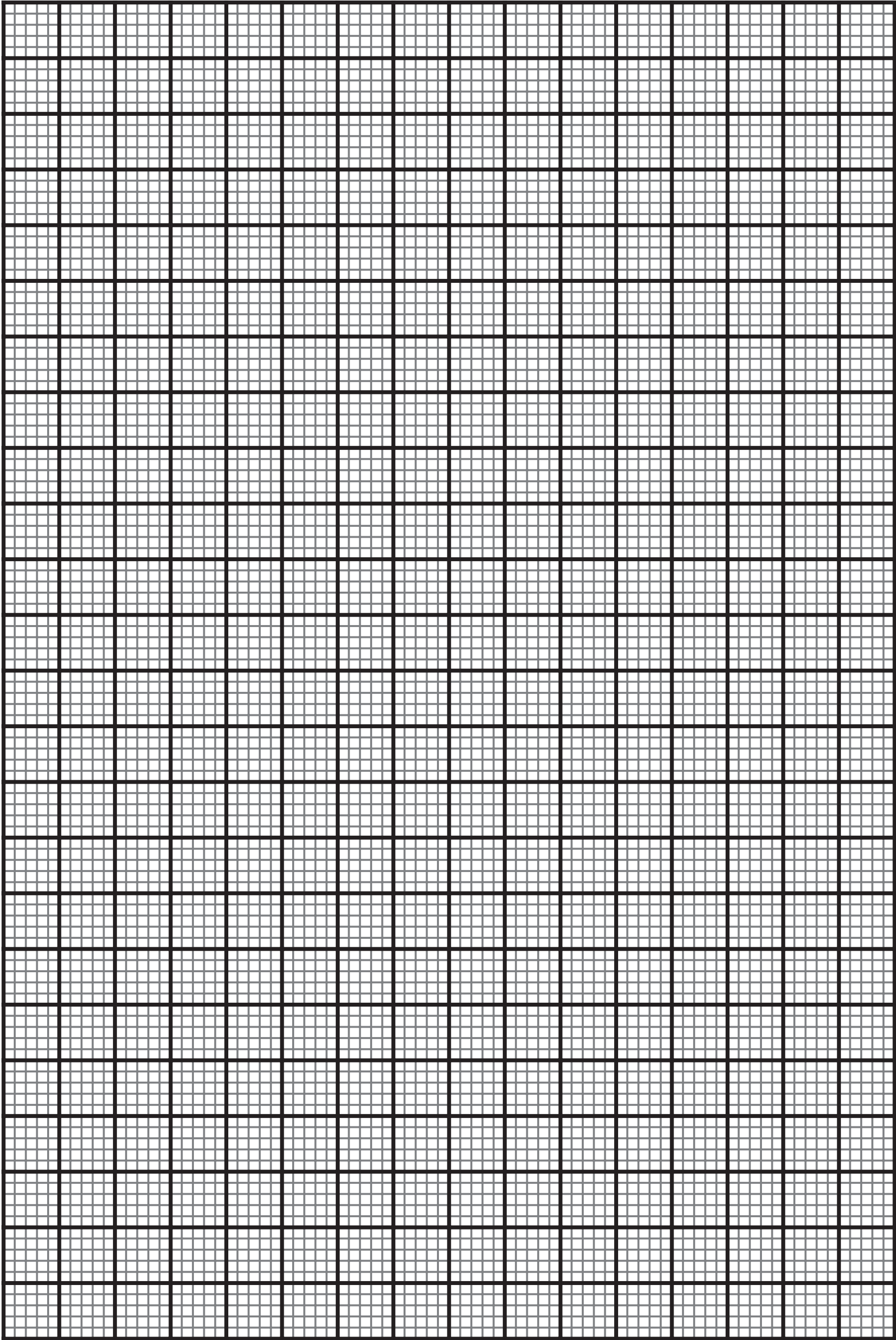
## Question 12(a)(i)



## Question 7(a)



Question 11(c)(ii)





## **Source information**

### **Question 2**

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### **Question 6**

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