

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

Combined Science
PAPER 3
Higher Tier

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.**

Contents

Page

4 Question 1(b)

5 Question 1(c)

6 Question 2(a)

7 Question 4(b)

8 Question 4(b) (Spare copy)

9 Question 4(c)

10 Question 5(b)

11 Question 5(b)(i)

12 Question 5(c)

Question 1(b)

FIGURE 1

small copper can — 

large copper can — 

sand — 

sawdust — 

Question 1(c)

FIGURE 2

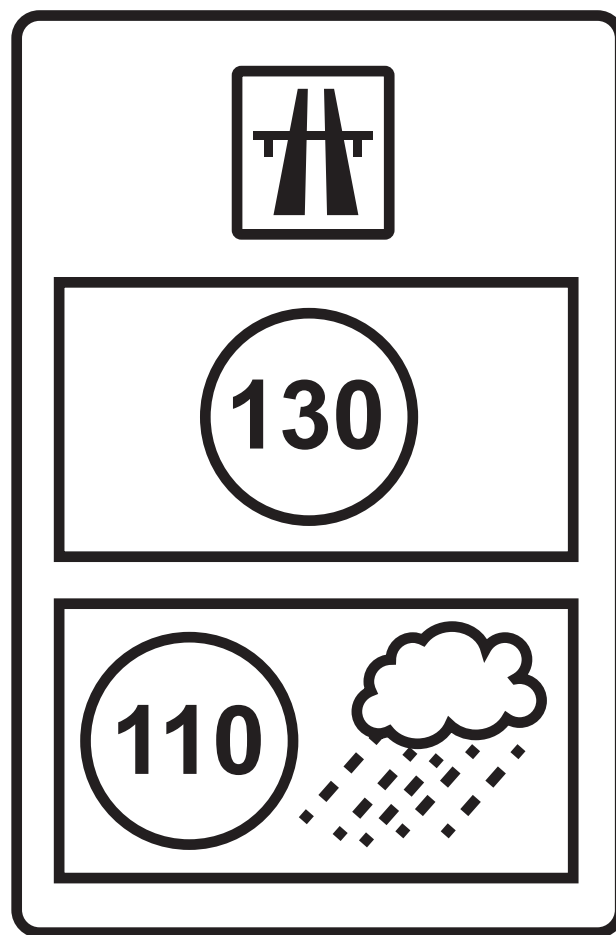
thermal conductivity of
expanded polystyrene
in mW/m.K



density of expanded
polystyrene in kg/m³

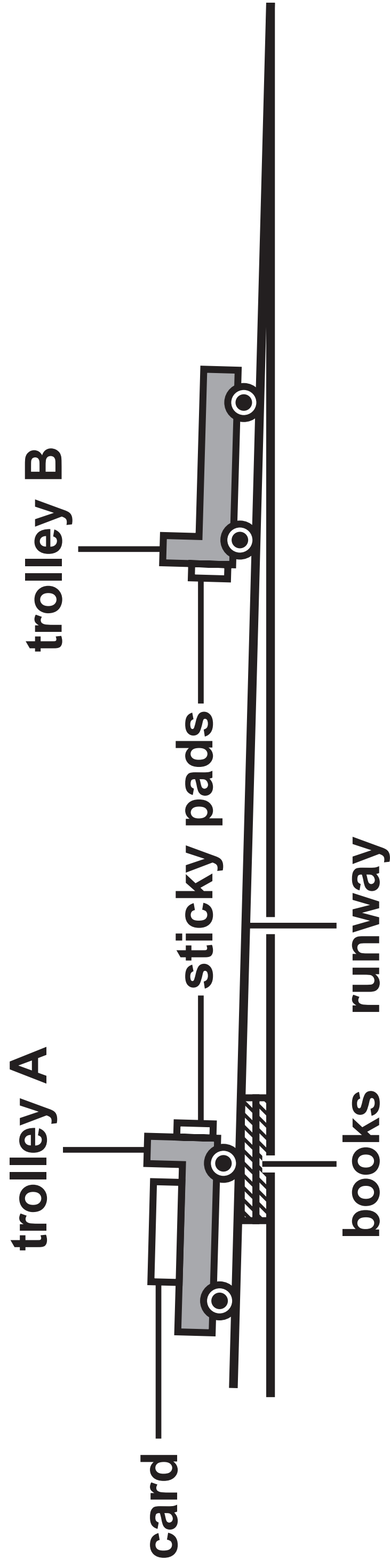
Question 2(a)

FIGURE 3



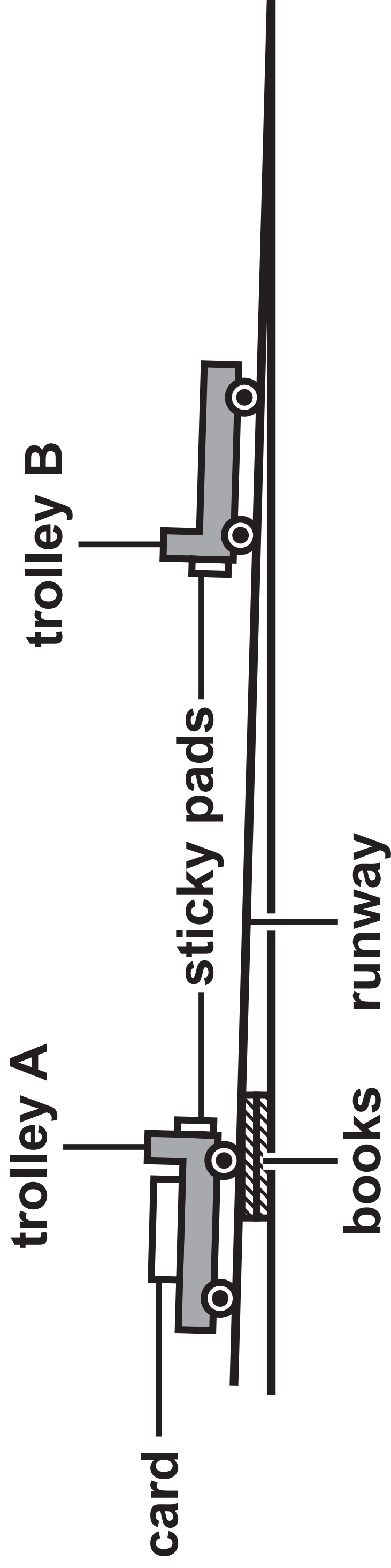
7
Question 4(b)

FIGURE 4



8
Question 4(b)

FIGURE 4



Question 4(c)

FIGURE 5

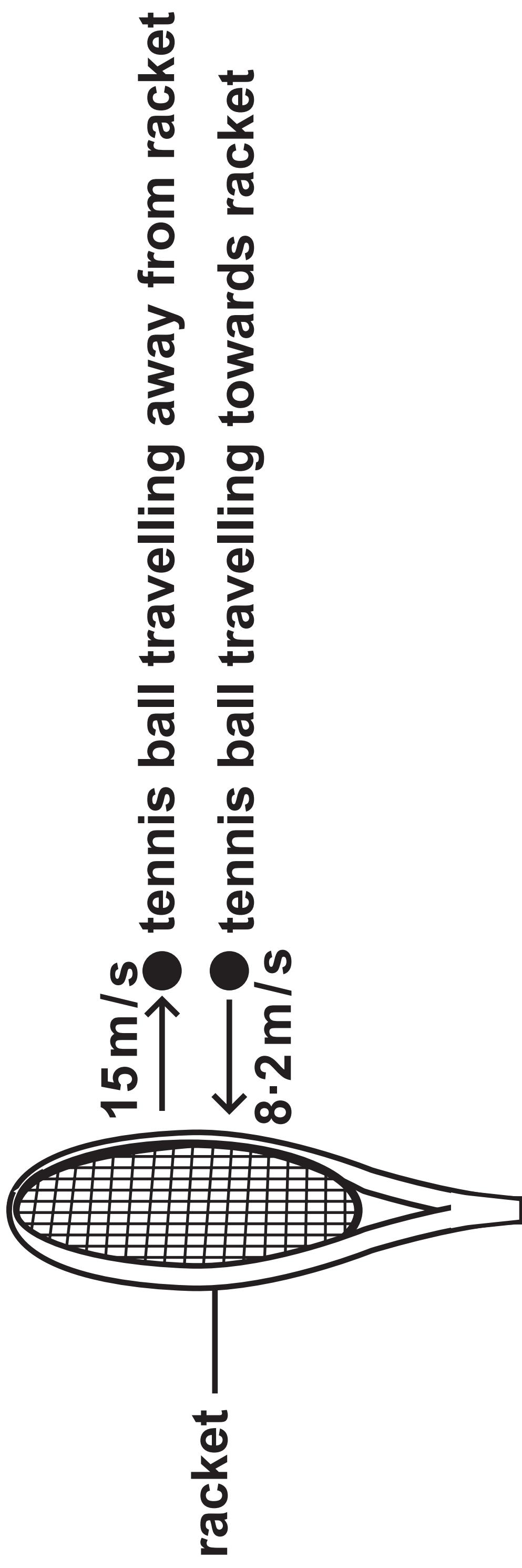
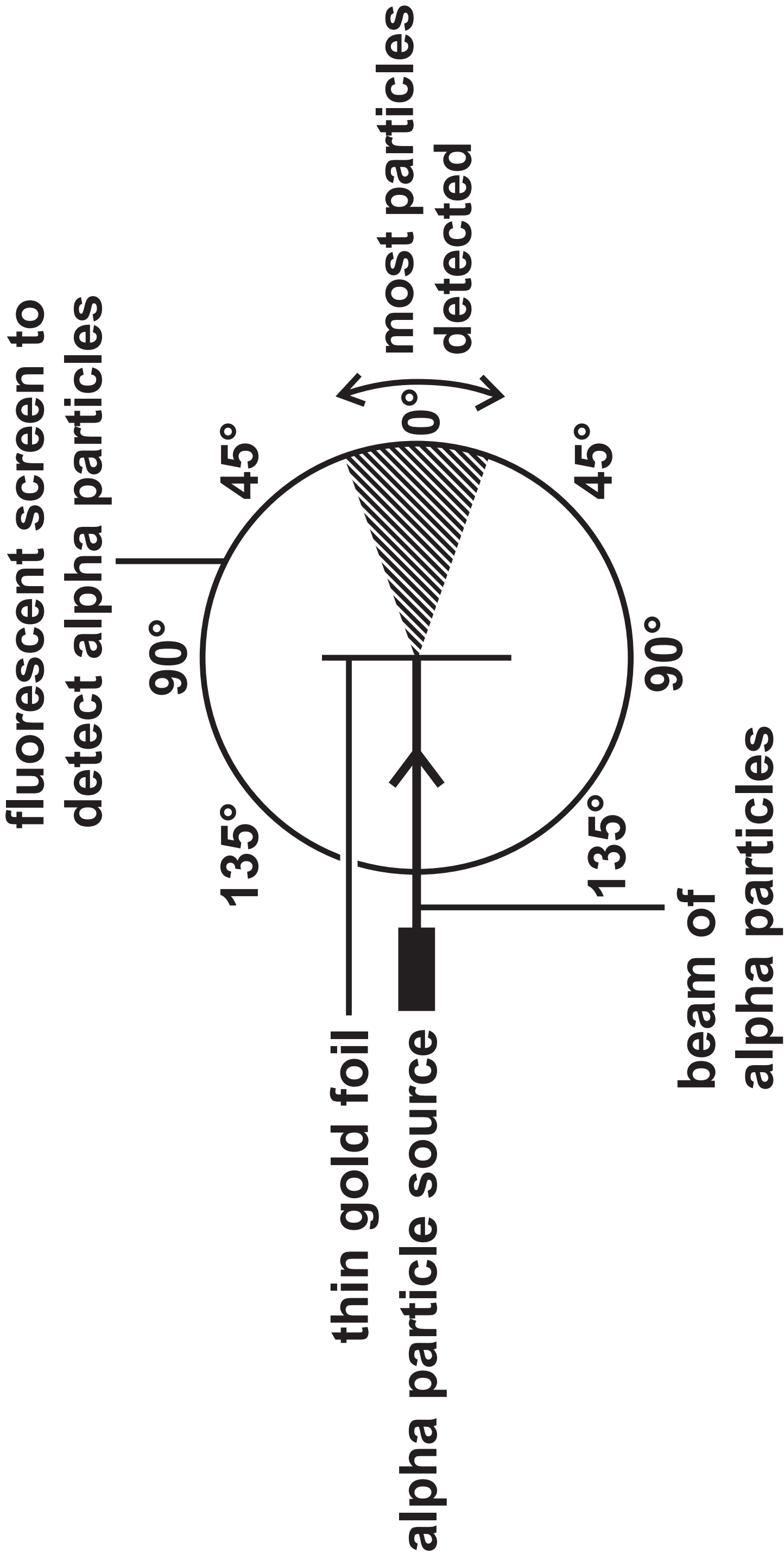


FIGURE 6



Question 5(b)(i)

FIGURE 7

number of scattered
particles detected

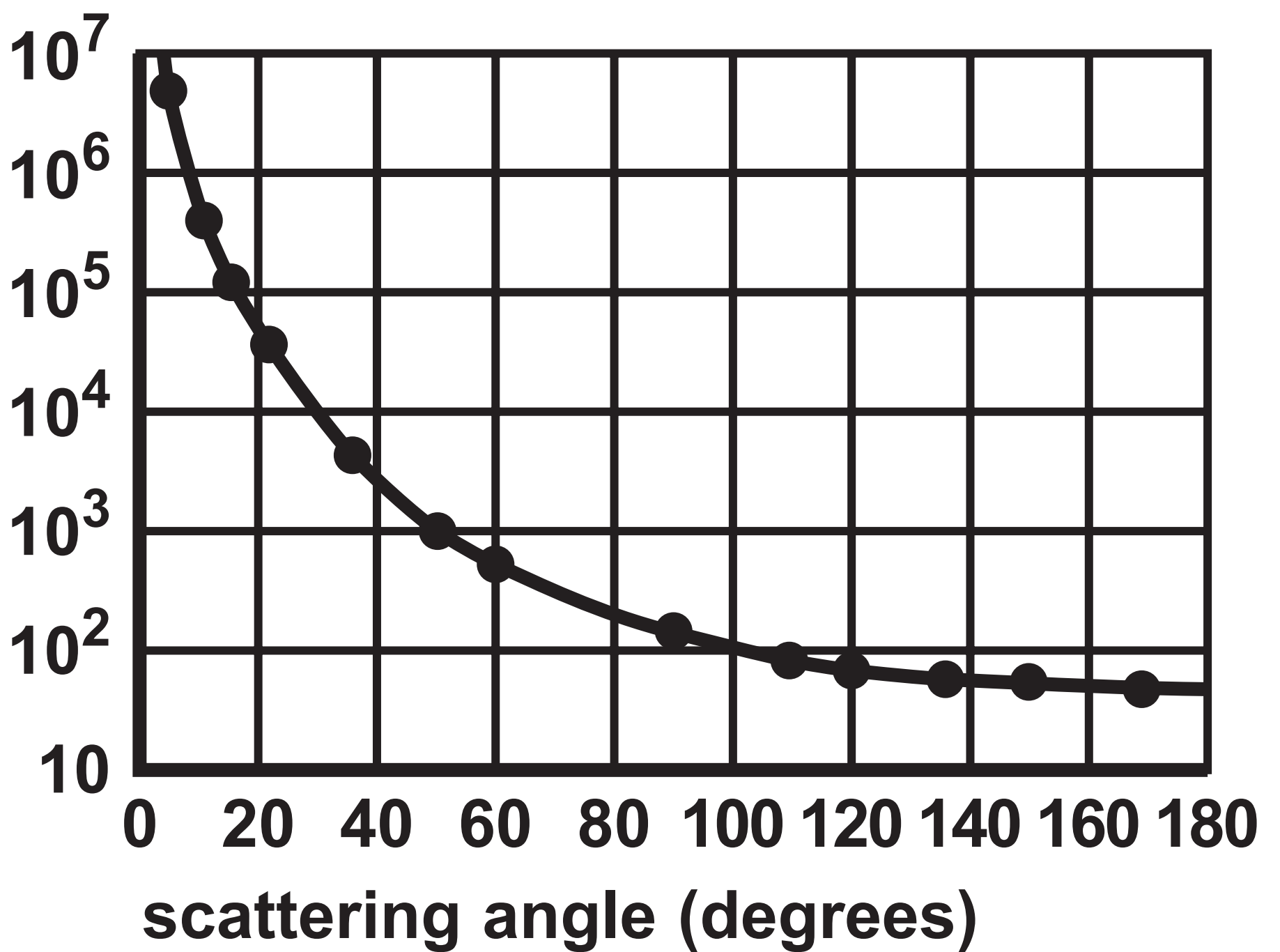


FIGURE 8

movable slope to
roll the marble down

large sheet of paper
with lines 1 cm apart

