

**Paper Reference(s)    1PH0/1H**  
**Pearson Edexcel Level 1/Level 2 GCSE**  
**(9–1)**

**Physics**  
**Paper 1**  
**Higher Tier**

**Diagram Booklet**

**In the boxes below, write your name, centre number and candidate number.**

<b>Surname</b>					
<b>Other names</b>					
<b>Centre Number</b>					
<b>Candidate Number</b>					

## **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**

<b>4</b>	<b>Question 1(a)</b>
<b>5</b>	<b>Question 1(b)</b>
<b>6</b>	<b>Question 1(c)</b>
<b>7</b>	<b>Question 2(b)</b>
<b>8</b>	<b>Question 2(c)</b>
<b>9</b>	<b>Question 3(a)</b>
<b>10</b>	<b>Question 4(b)</b>
<b>11</b>	<b>Question 6(b)</b>
<b>12</b>	<b>Question 7(b)</b>
<b>13</b>	<b>Question 7(b) (Spare copy)</b>
<b>14</b>	<b>Question 7(c)</b>
<b>15</b>	<b>Question 8(b)</b>
<b>16</b>	<b>Question 8(b)(i)</b>
<b>17</b>	<b>Question 8(c)</b>
<b>18–19</b>	<b>Question 10(b)</b>
<b>20–21</b>	<b>Question 10(c)</b>

## Question 1(a)

Diagram A

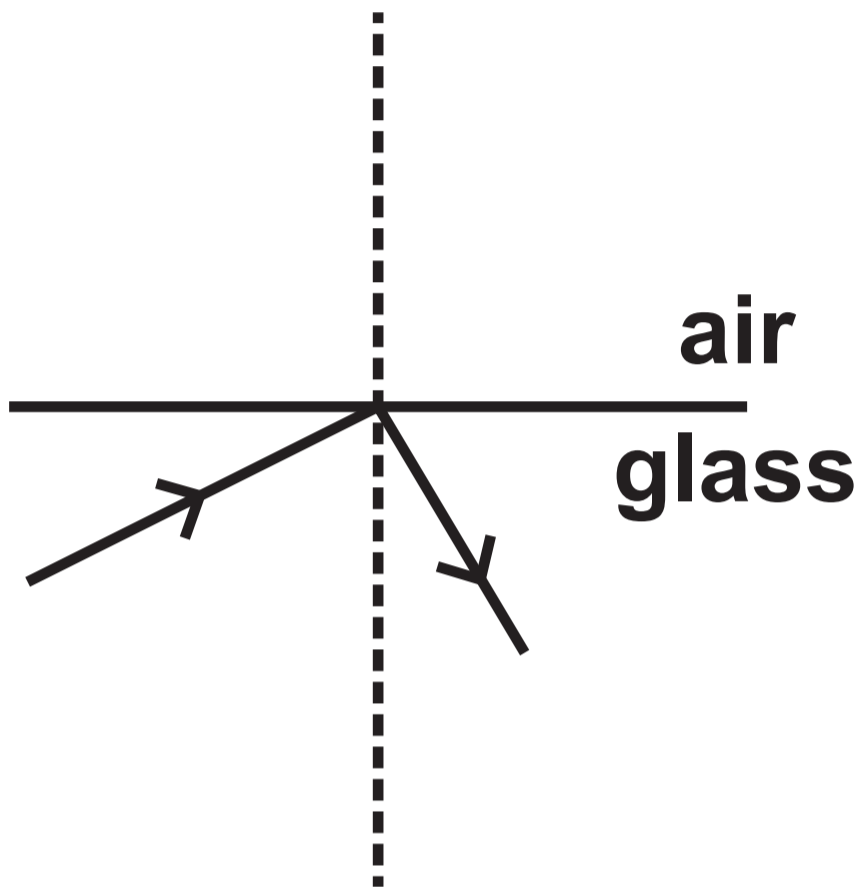


Diagram B

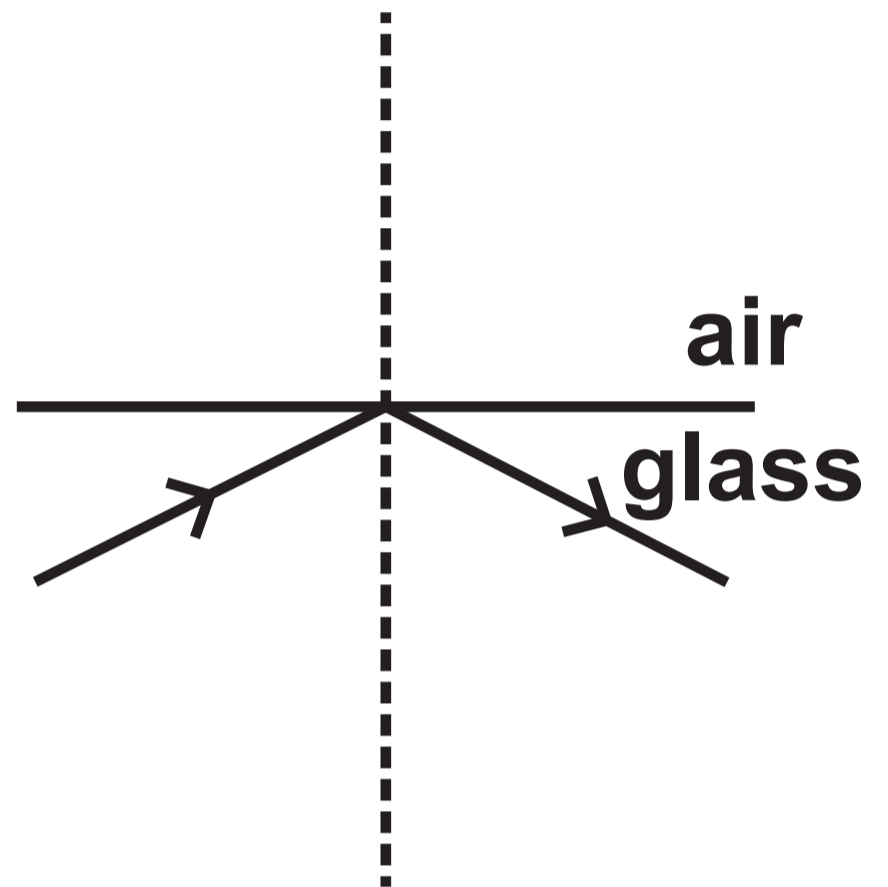


Diagram C

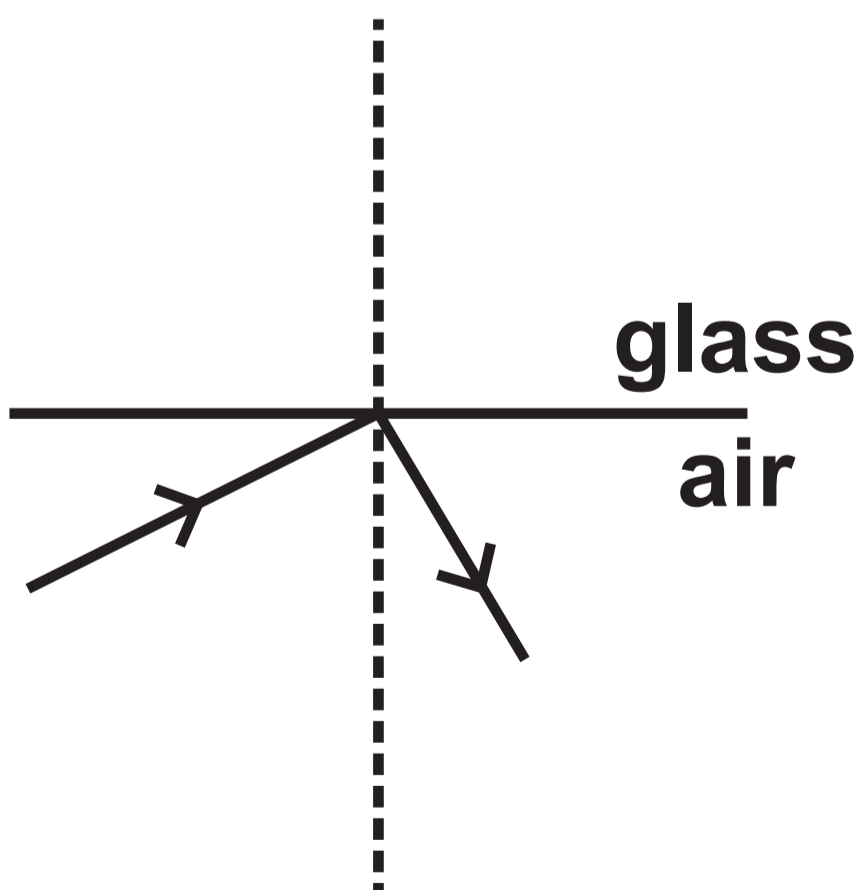
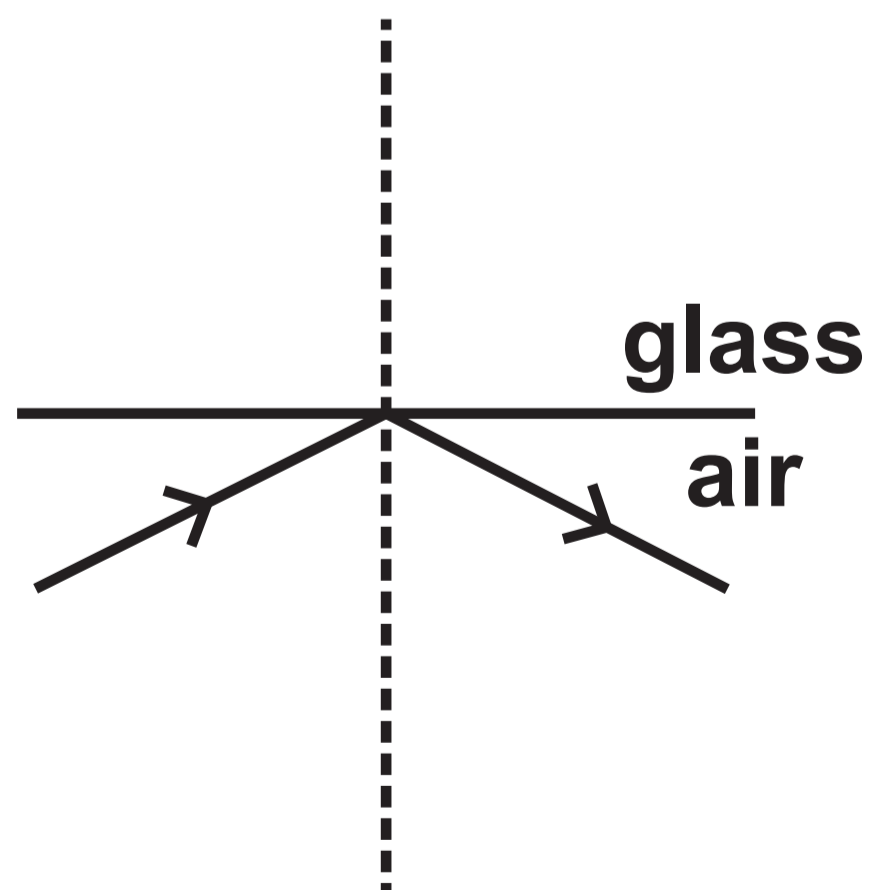
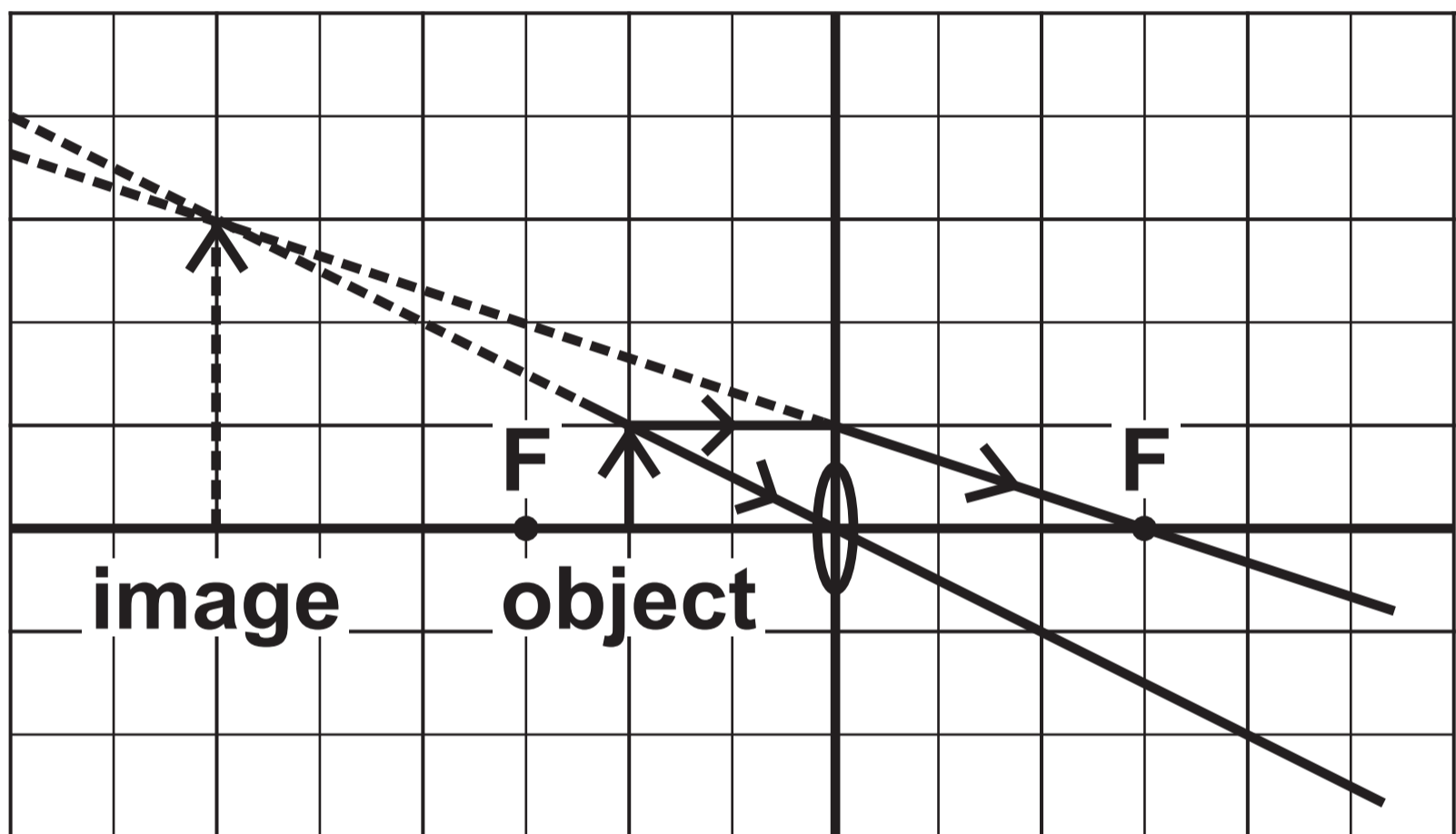


Diagram D



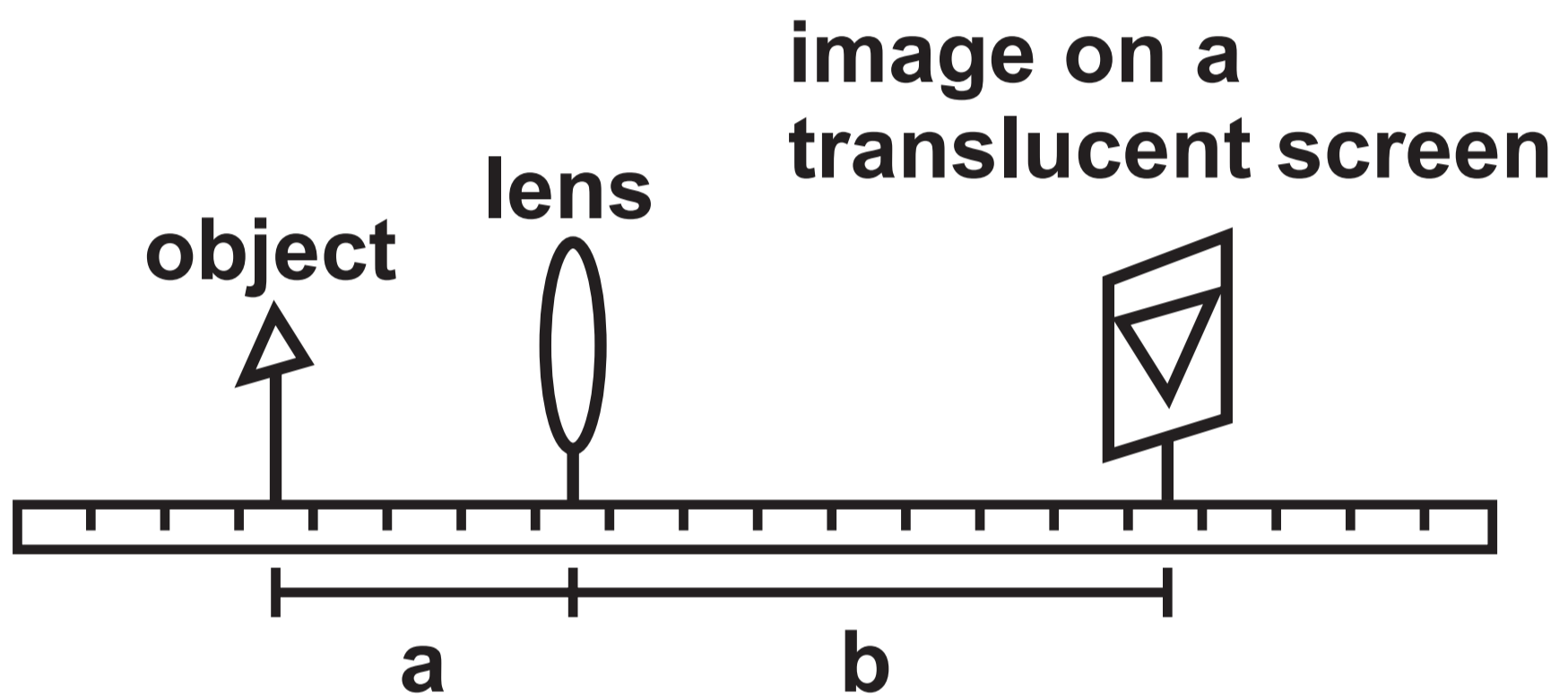
## Question 1(b)

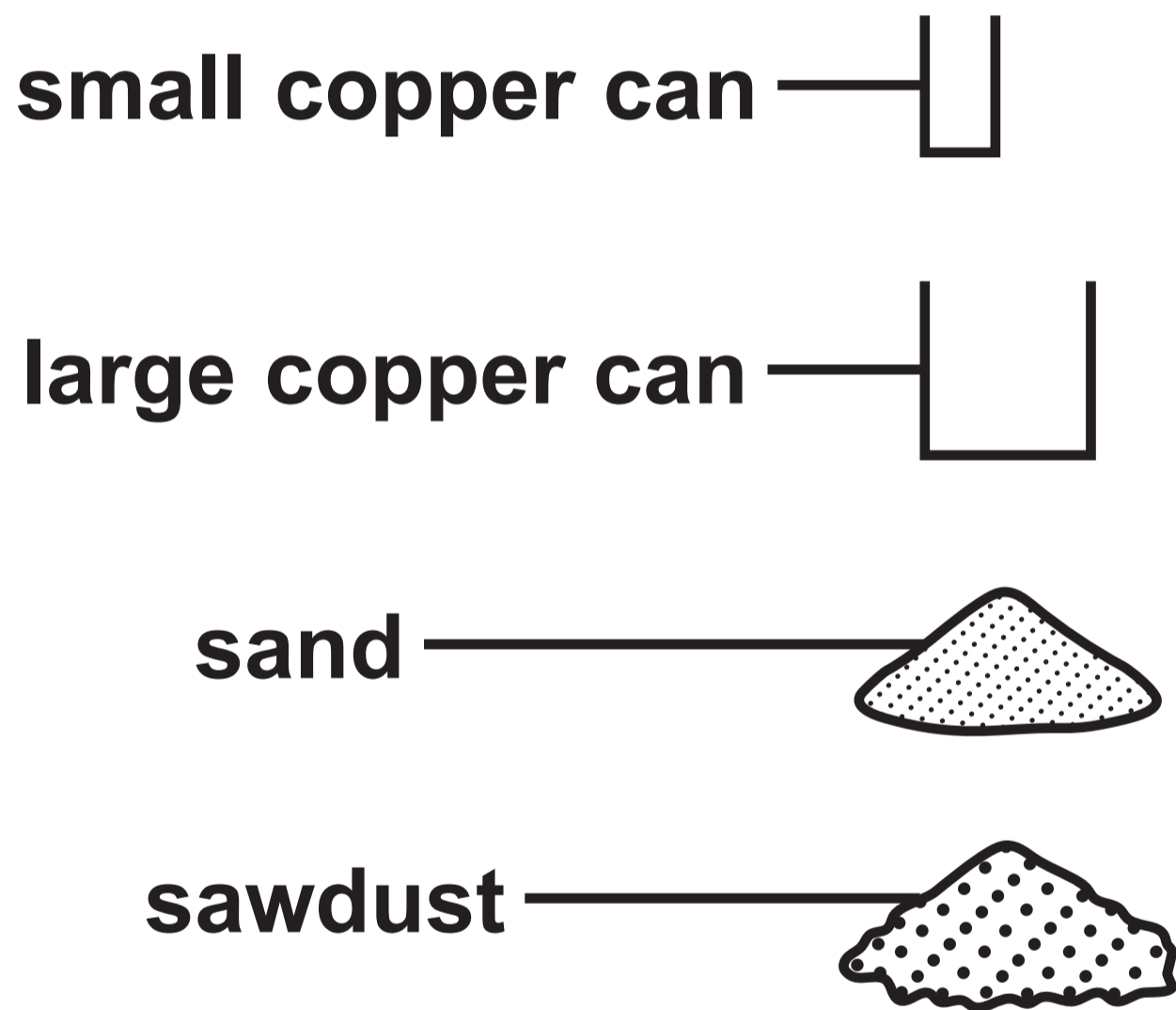
FIGURE 1



## Question 1(c)

FIGURE 2

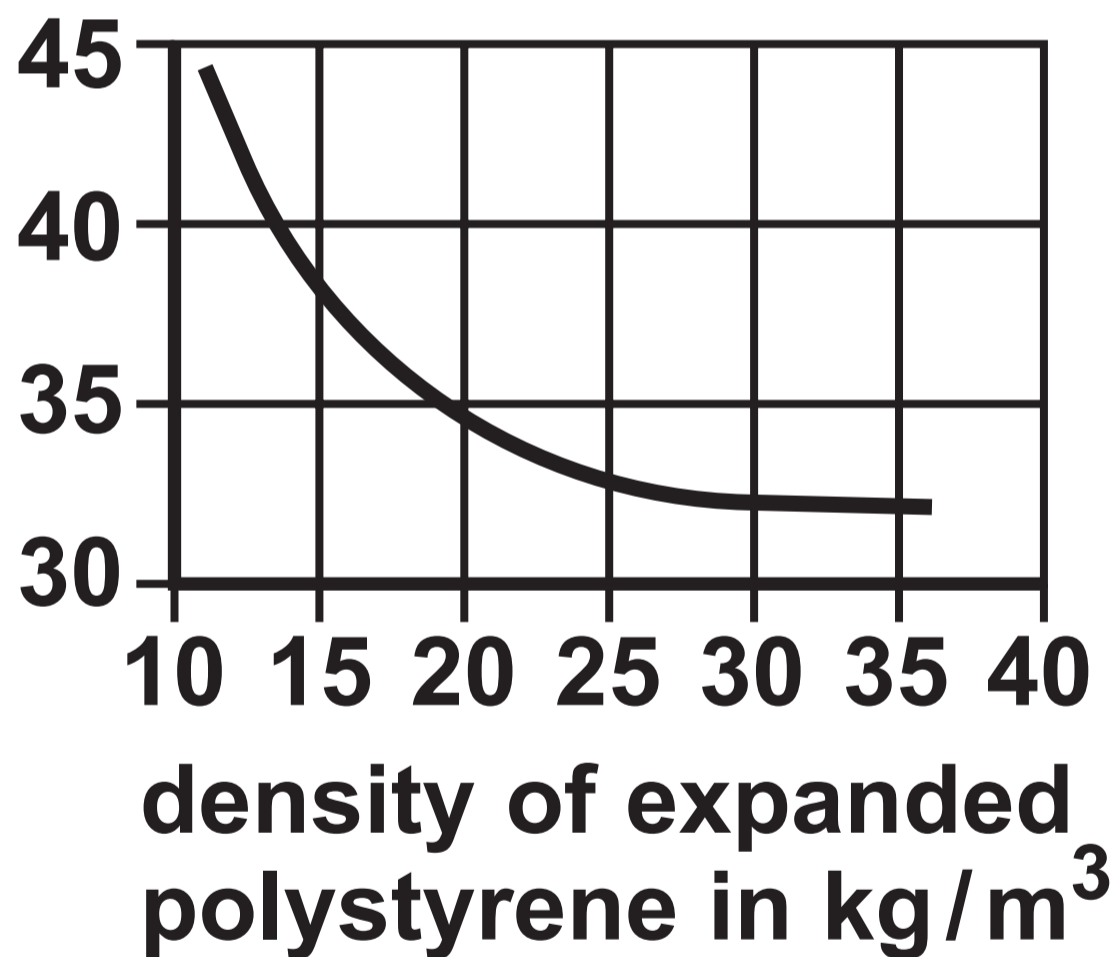


**Question 2(b)****FIGURE 3**

## Question 2(c)

FIGURE 4

thermal conductivity of  
expanded polystyrene  
in mW/m.K



## Question 3(a)

### FIGURE 5

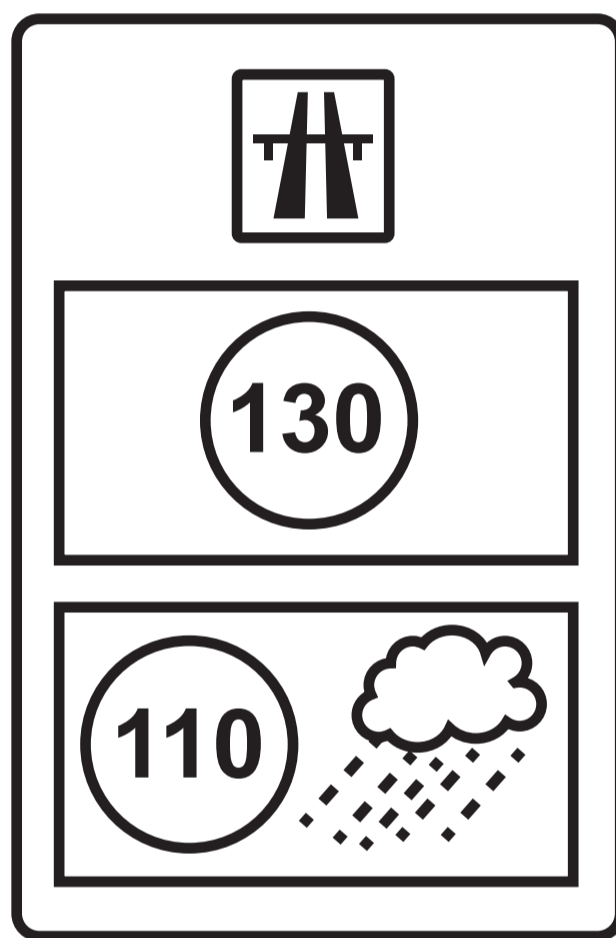
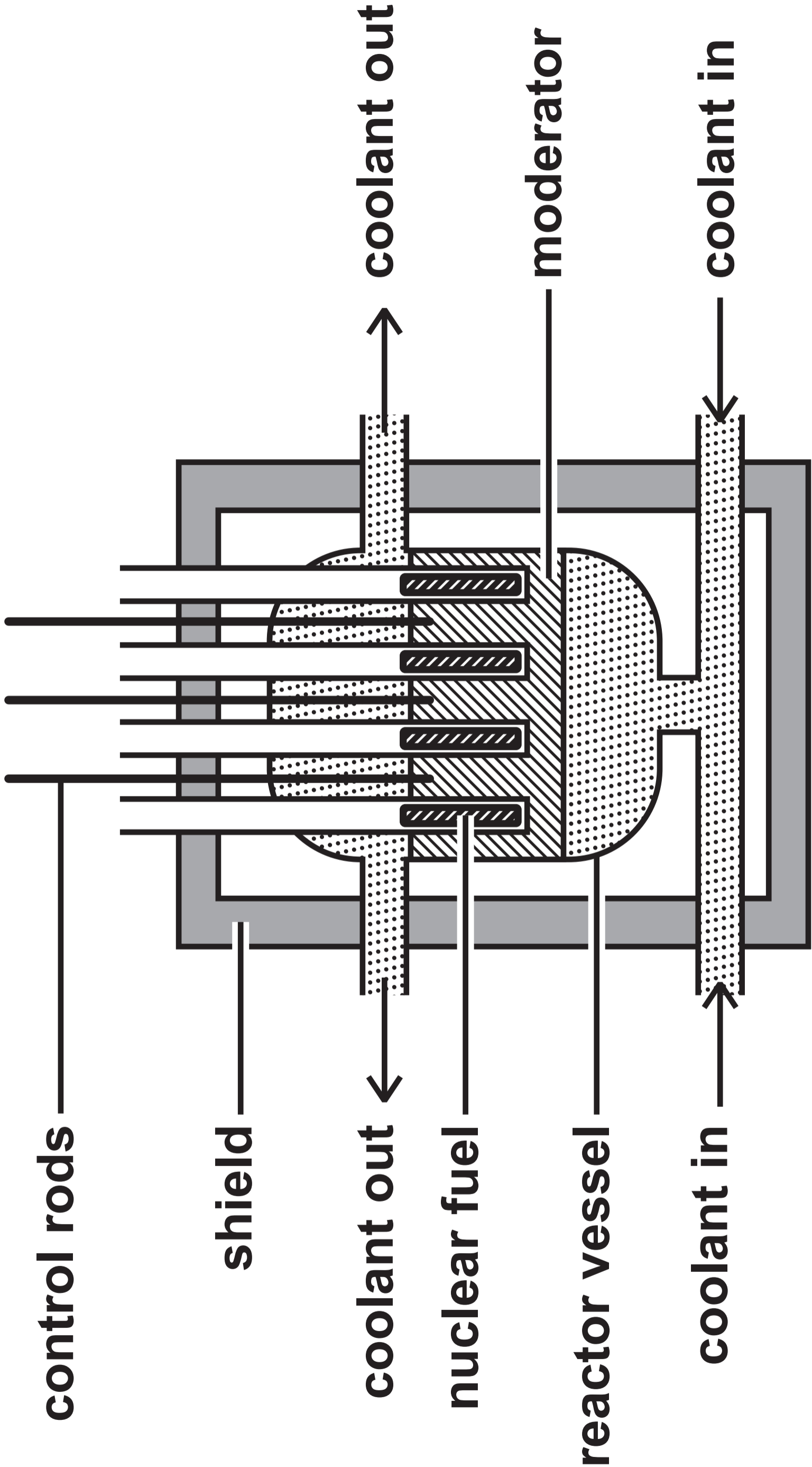


FIGURE 6



## Question 6(b)

FIGURE 7

## Key

| line of hydrogen spectrum

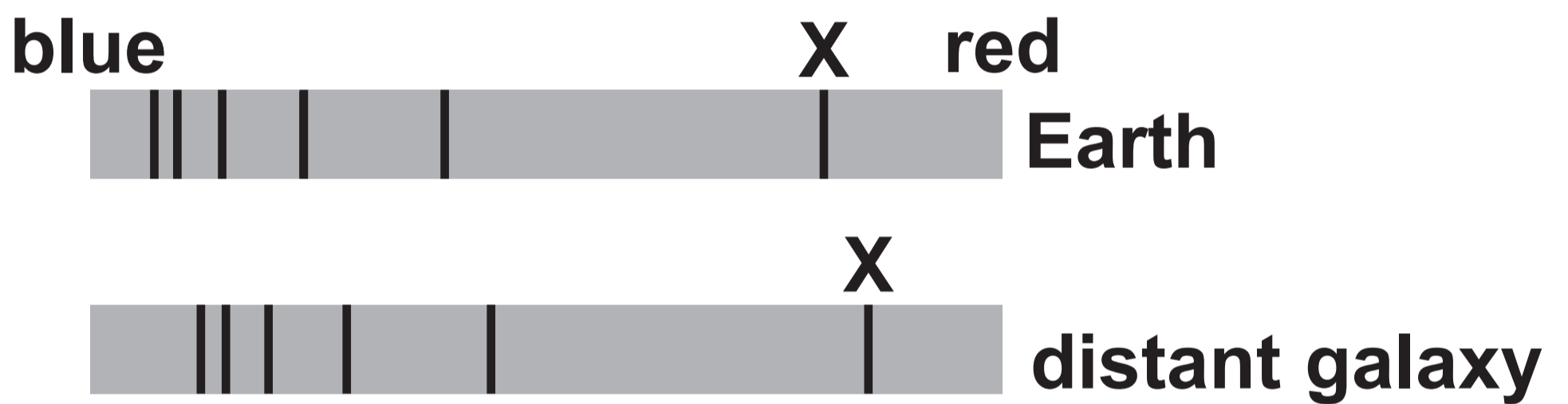


FIGURE 8

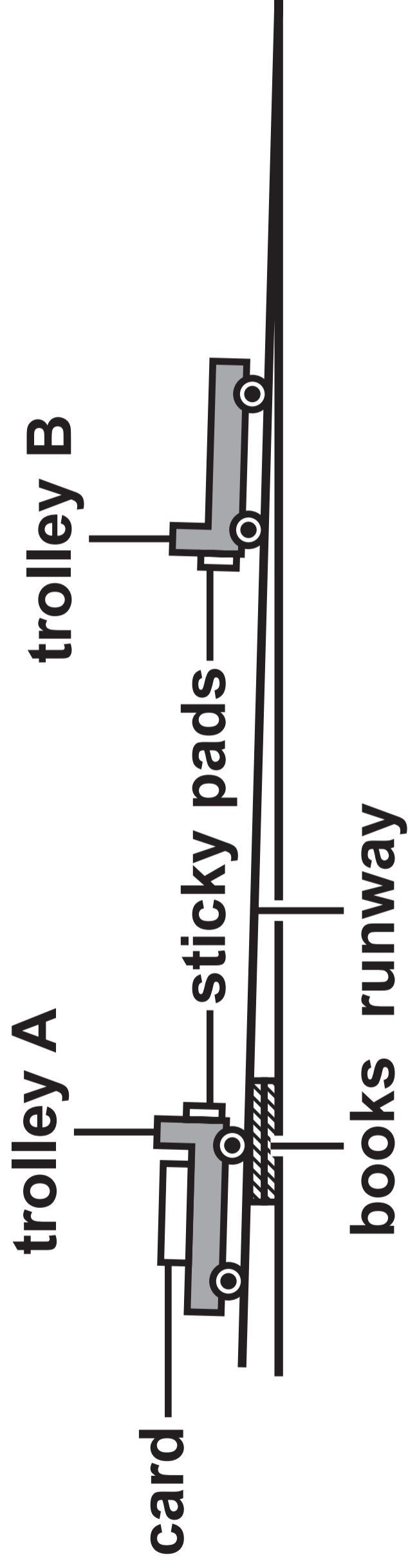
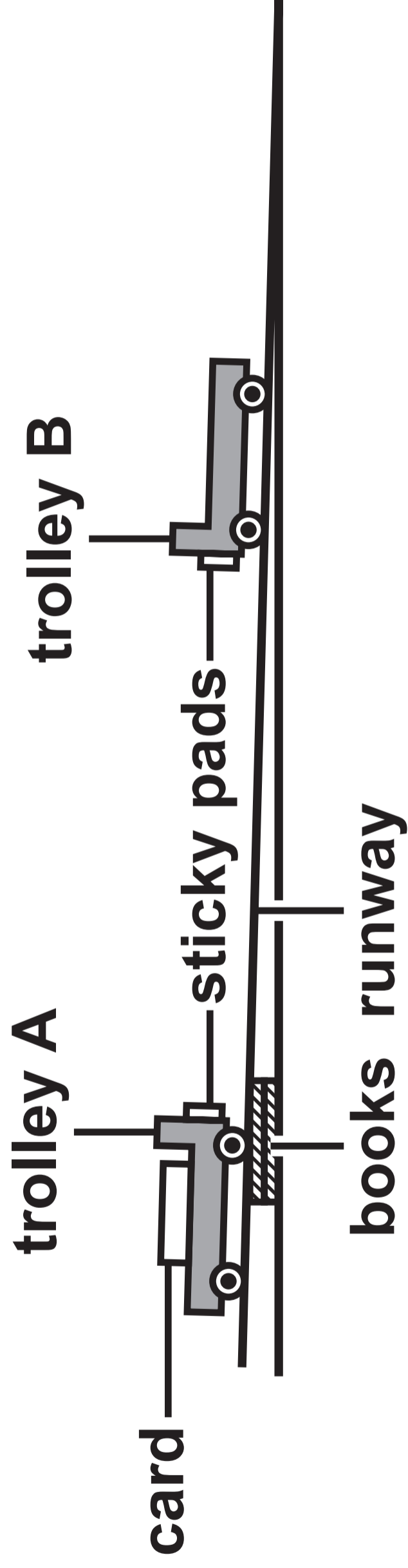


FIGURE 8



## Question 7(c)

FIGURE 9

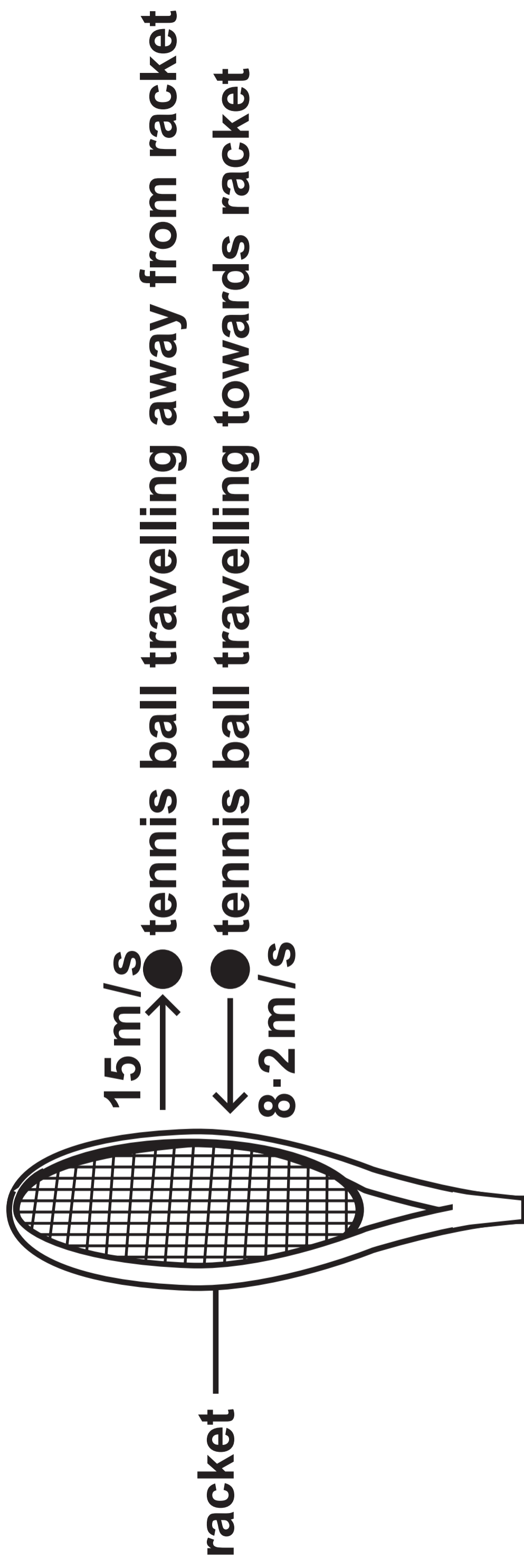
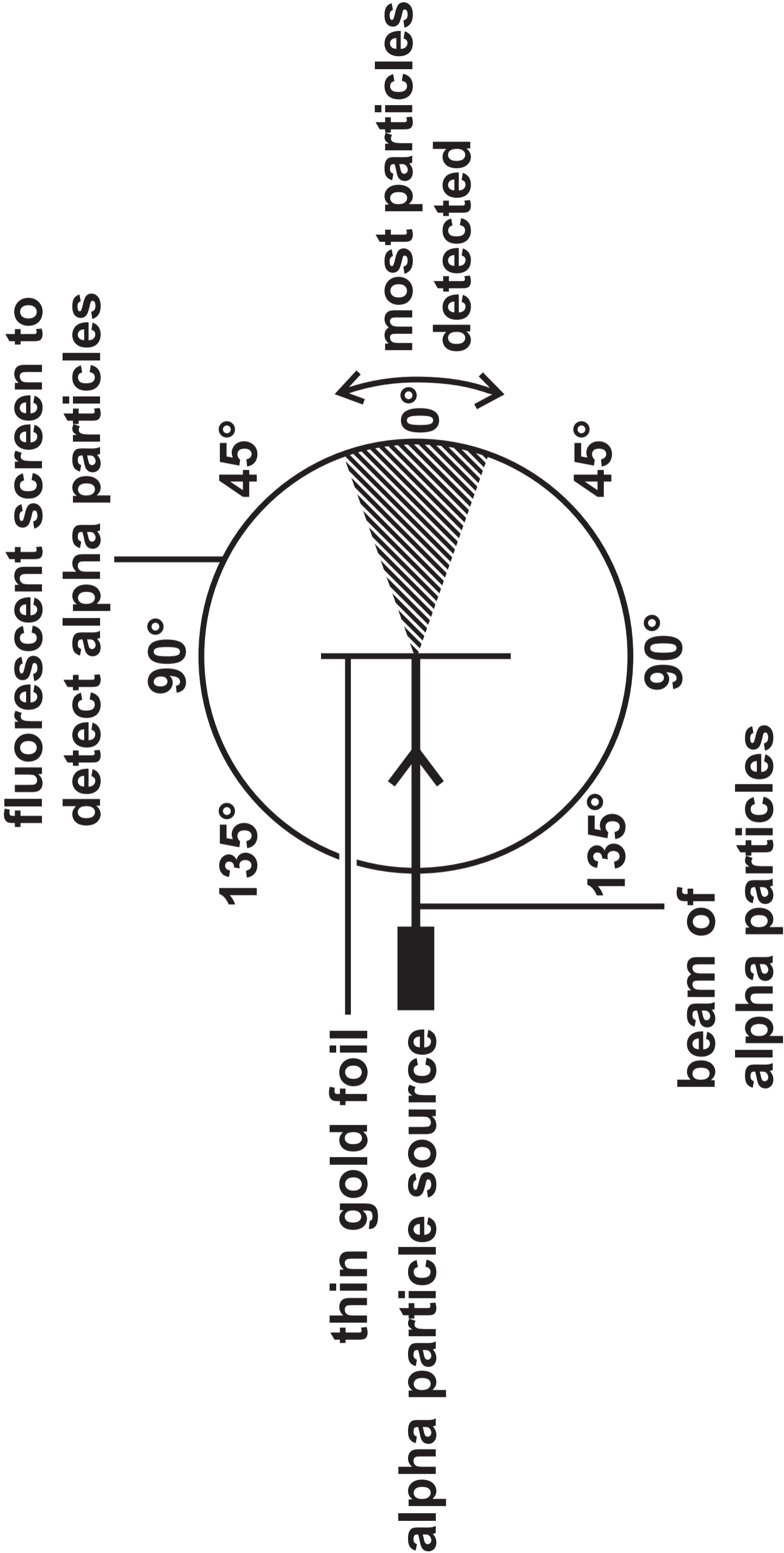


FIGURE 10



## Question 8(b)(i)

FIGURE 11

number of scattered  
particles detected

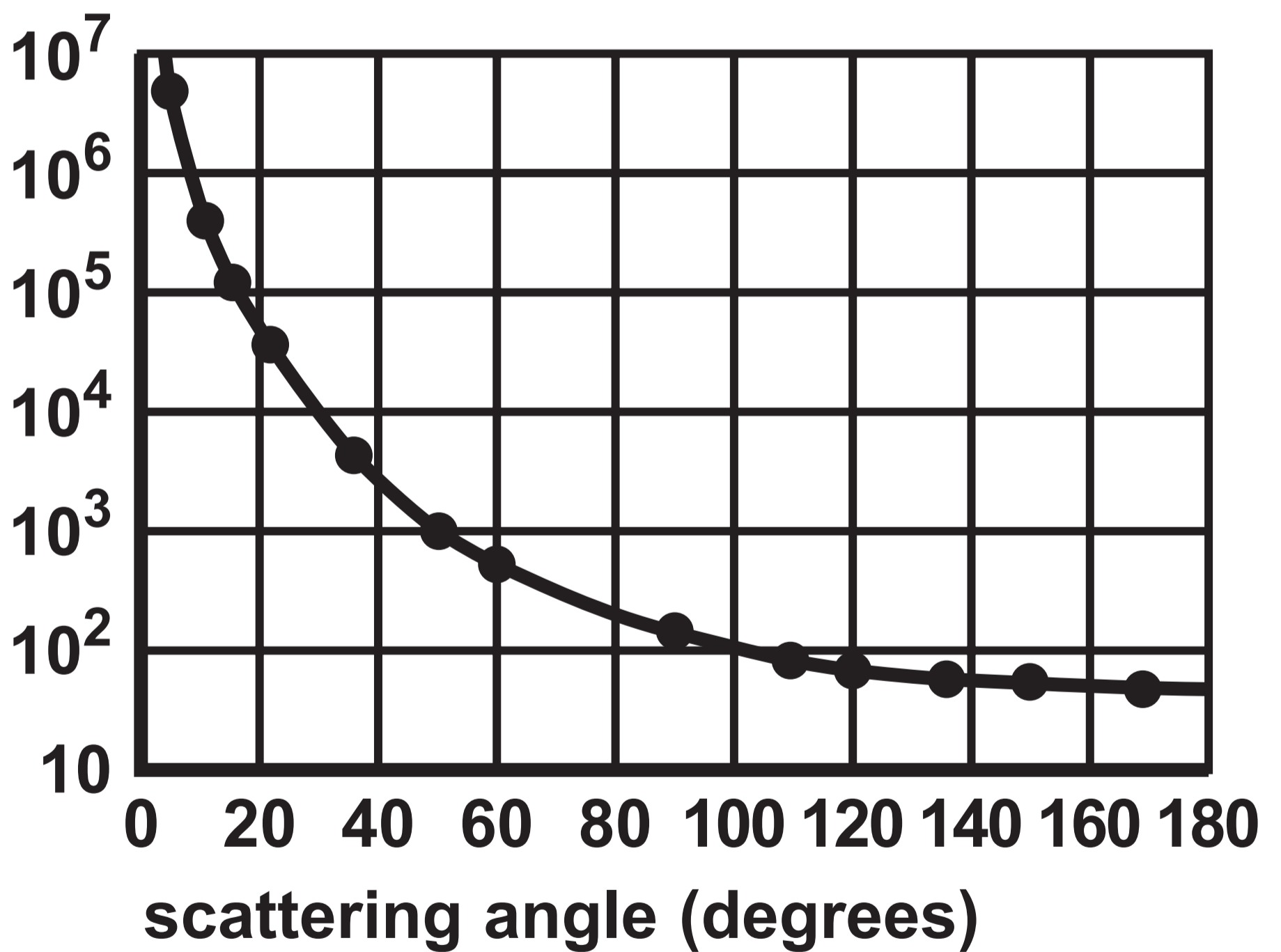
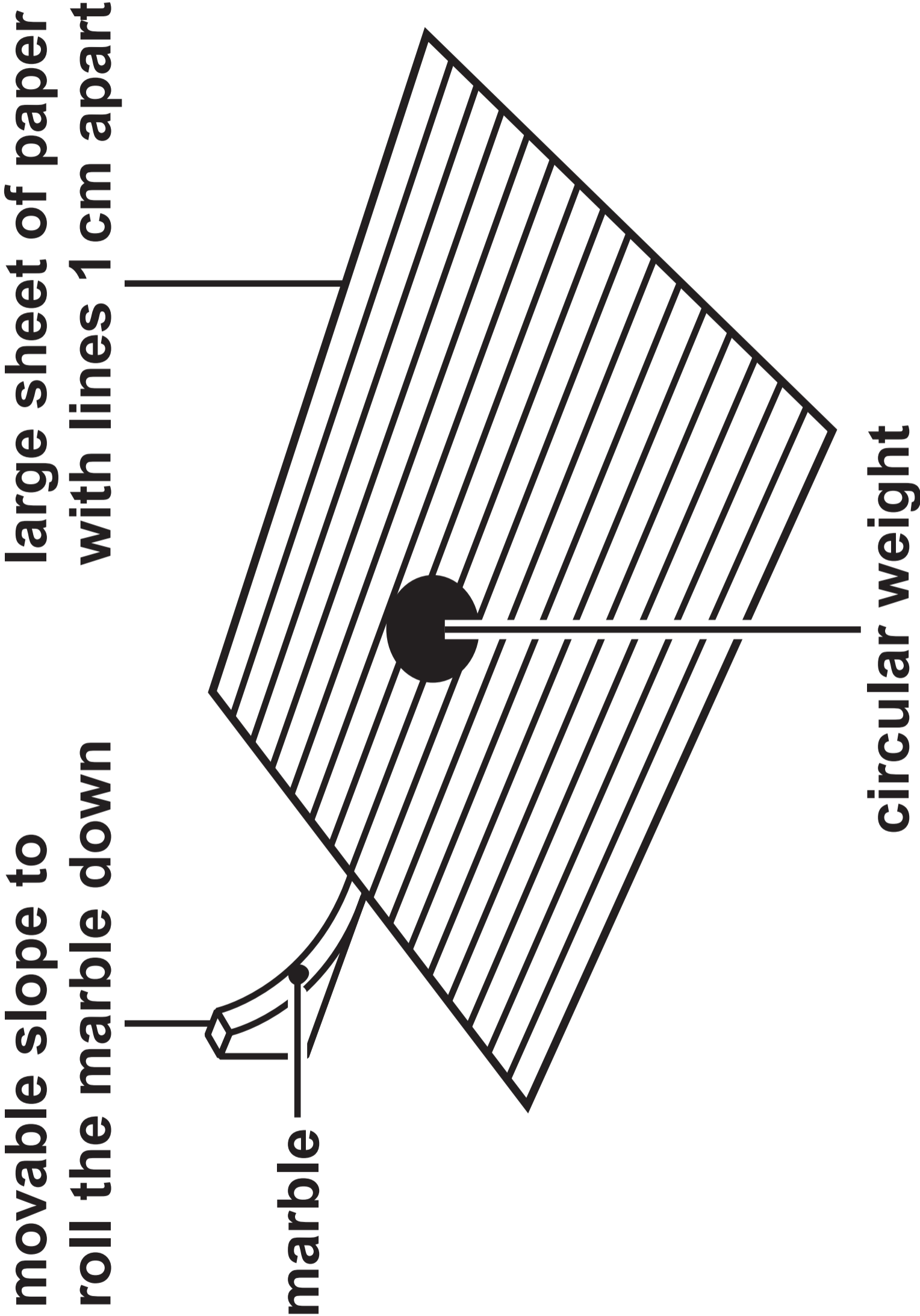
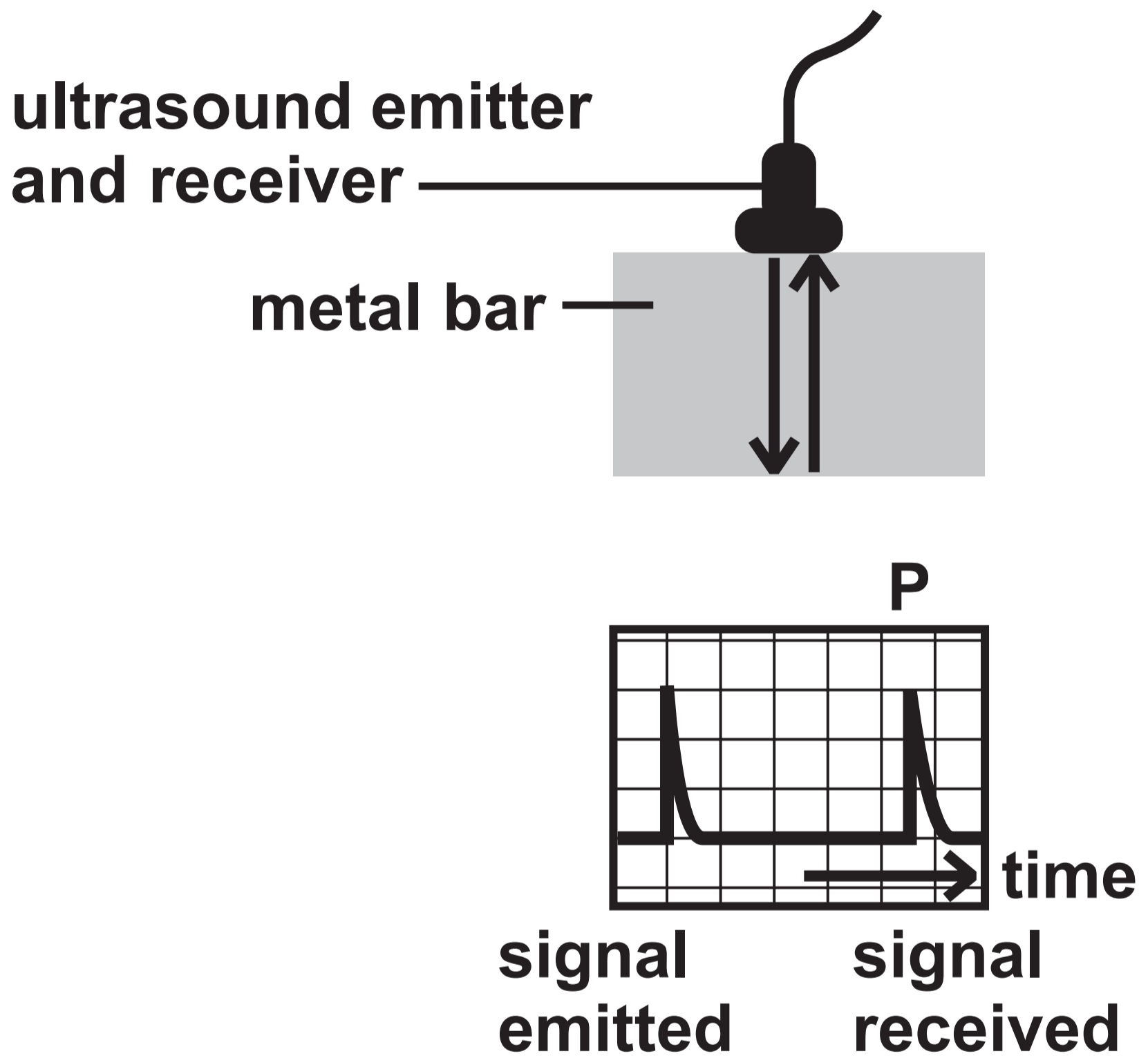


FIGURE 12



## Question 10(b)

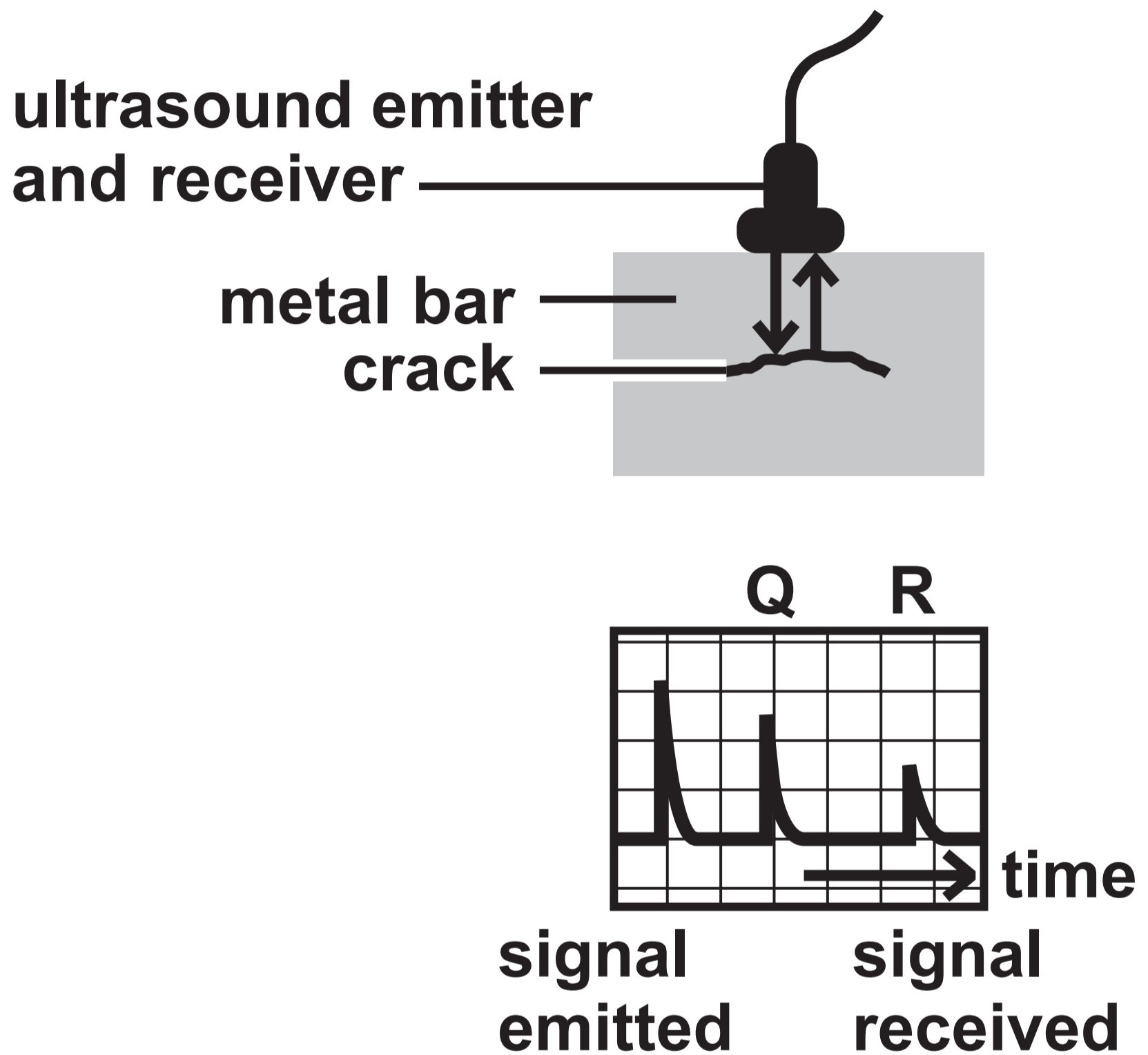
FIGURE 13A



(continued on the next page)

10(b) continued.

**FIGURE 13B**



## Question 10(c)

FIGURE 14

<b>S waves</b>	<b>P waves</b>
<b>transverse</b>	<b>longitudinal</b>
<b>slow moving</b>	<b>fast moving</b>
<b>travel through solids</b>	<b>travel through liquids and solids</b>

**(continued on the next page)**

10(c) continued.

**FIGURE 15**

**earthquake happens here**

