

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

Combined Science
Paper 6
Foundation 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.

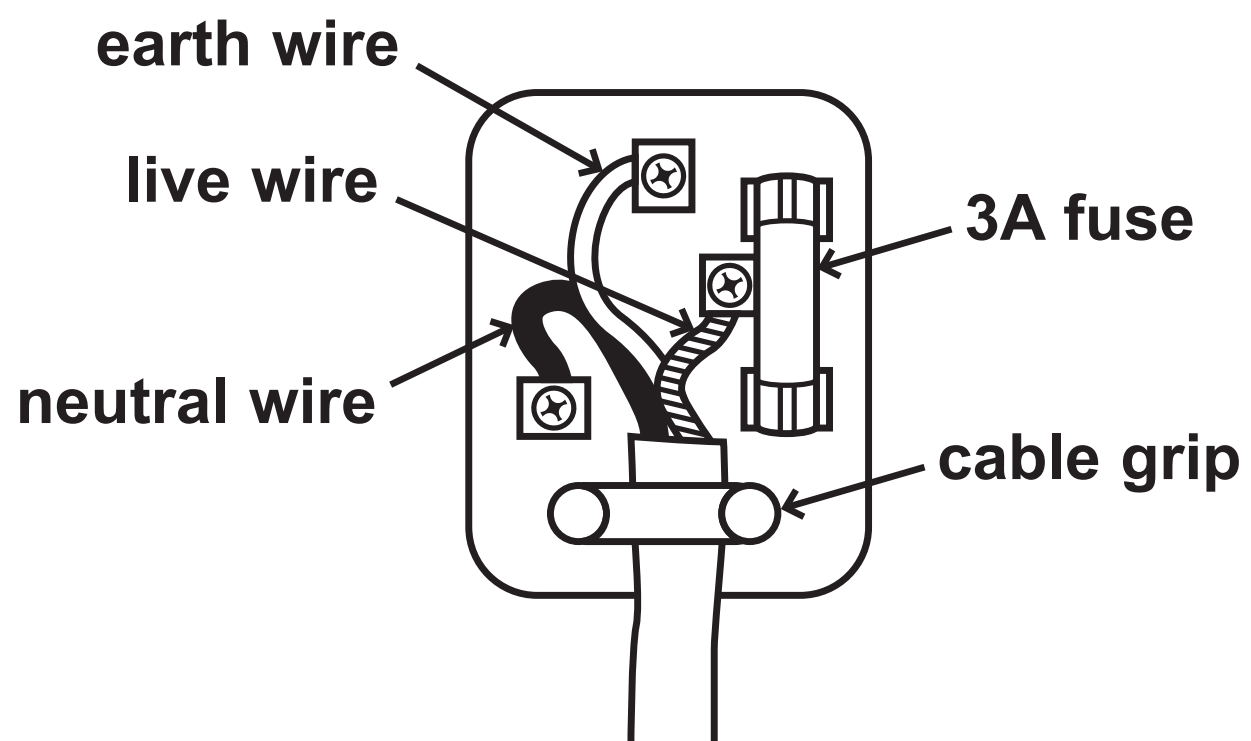
Contents

Page

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

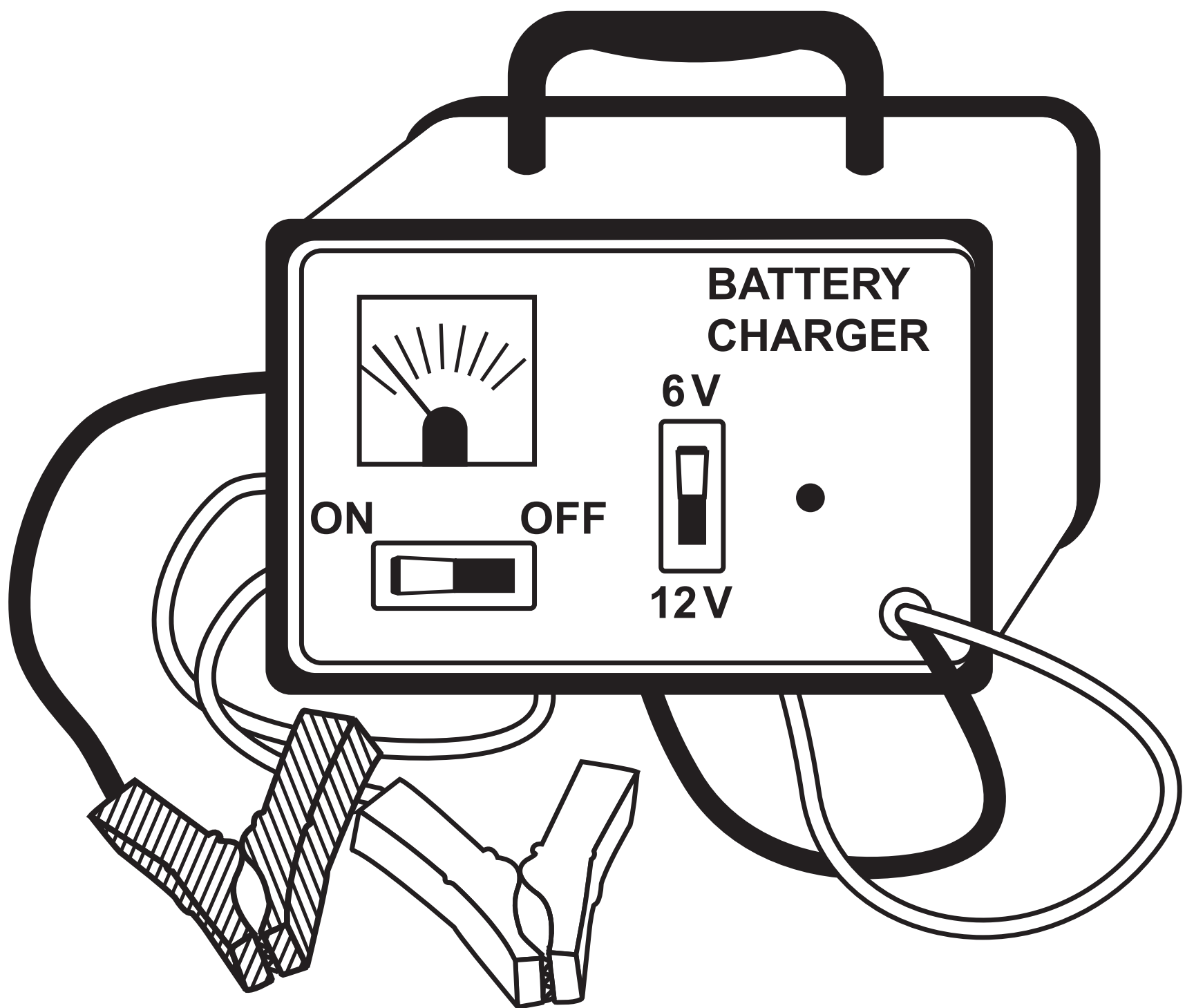
Question 1(a)

FIGURE 1



Question 1(b)

FIGURE 2



Question 1(c)

$$\text{primary current} = \frac{\text{secondary voltage} \times \text{secondary current}}{\text{primary voltage}}$$

Question 2

FIGURE 3

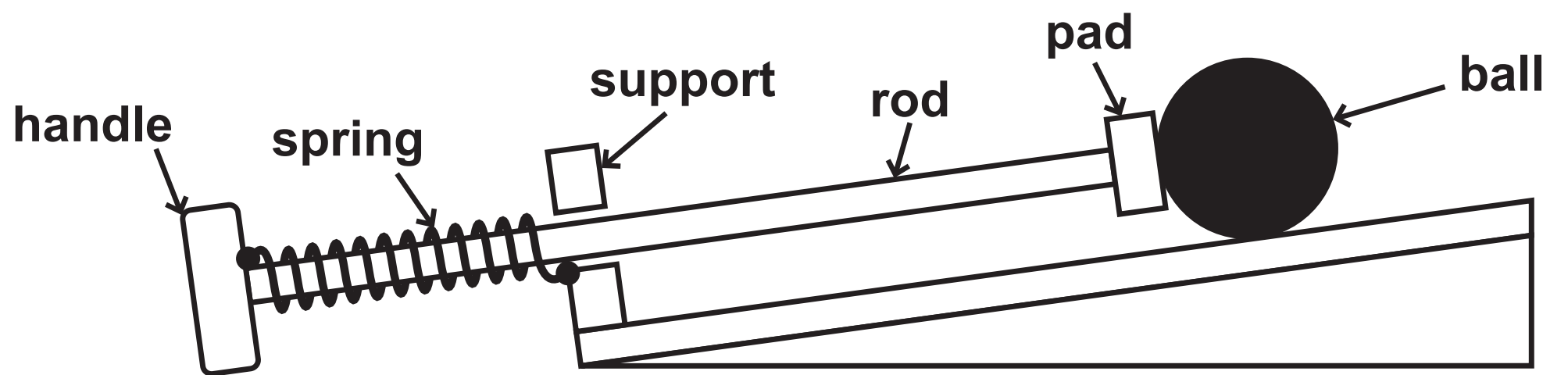


FIGURE 4

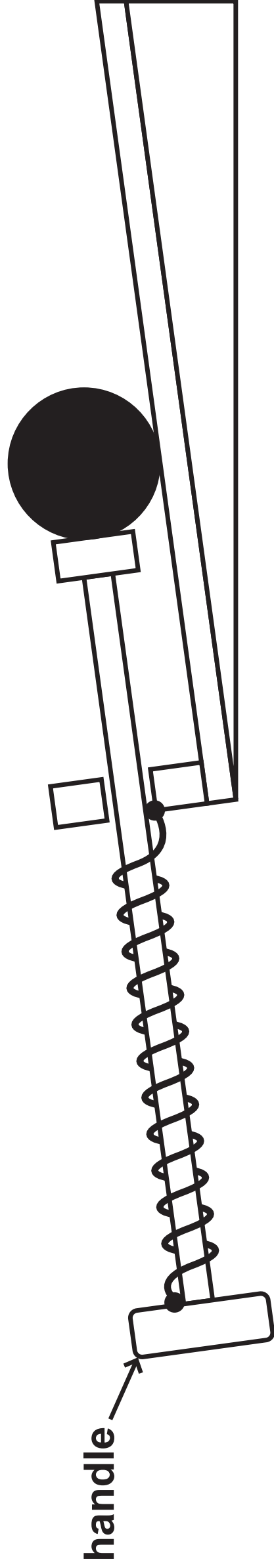
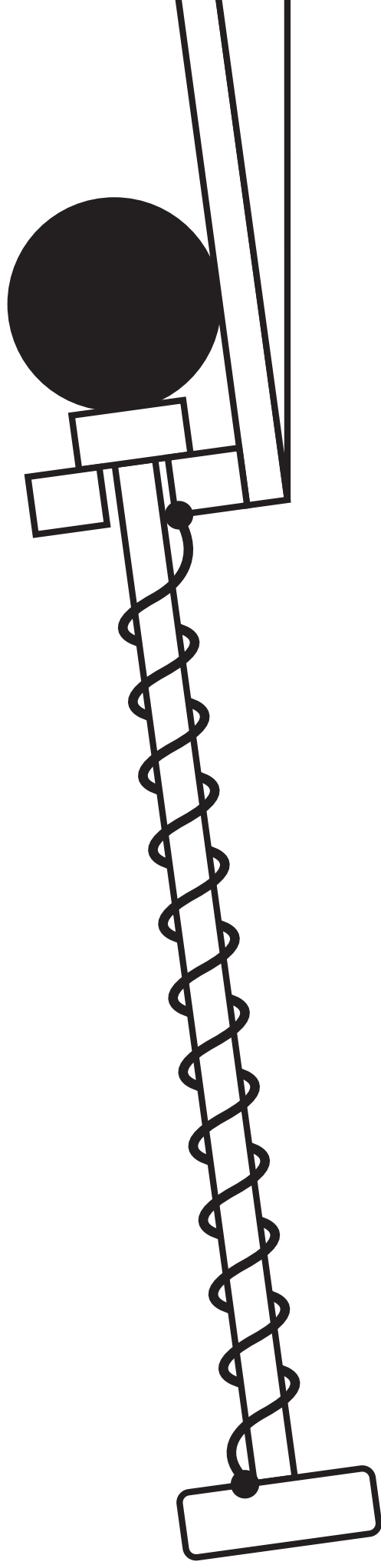


FIGURE 5



Question 3(a)

FIGURE 6

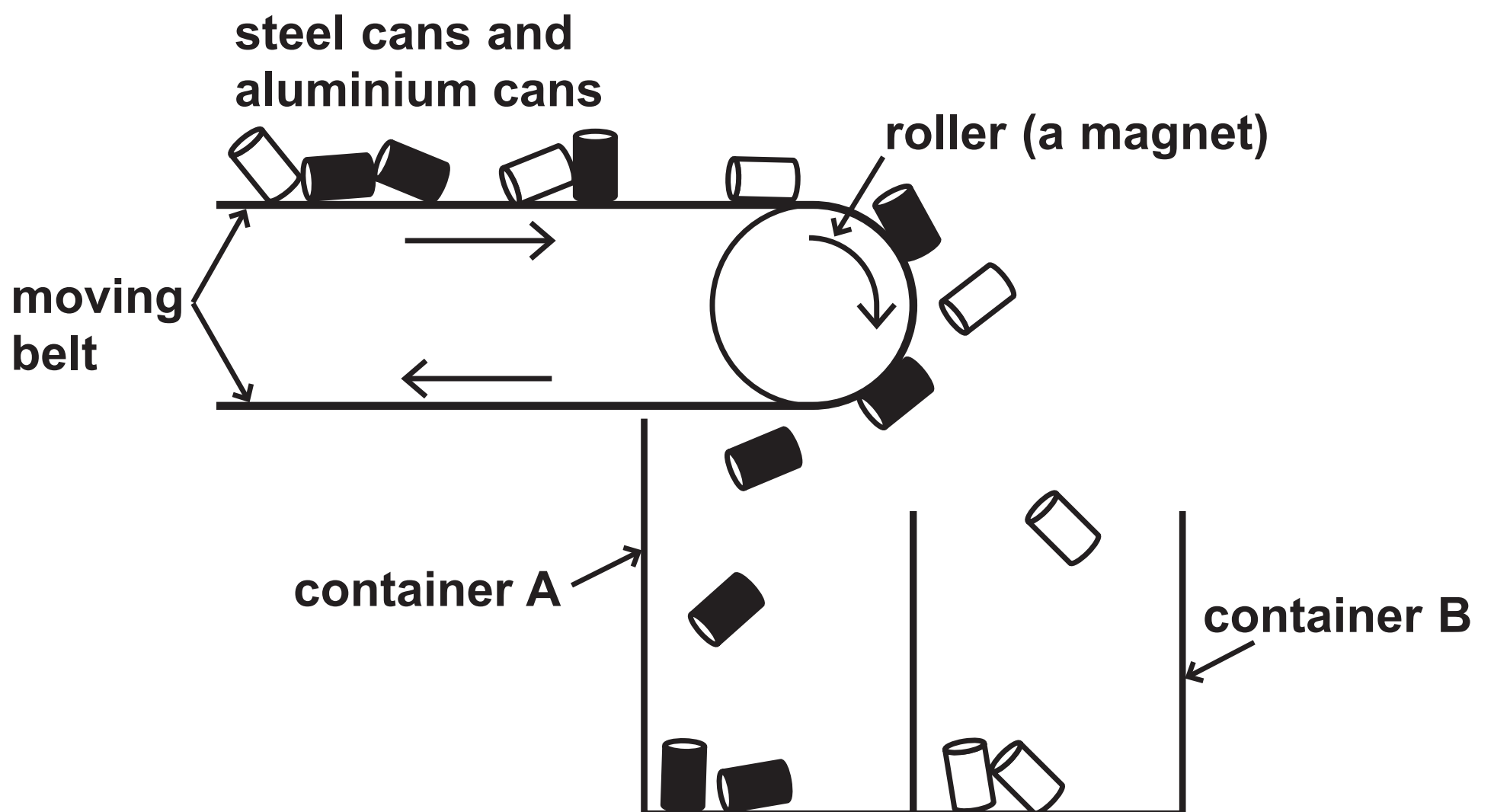


FIGURE 7

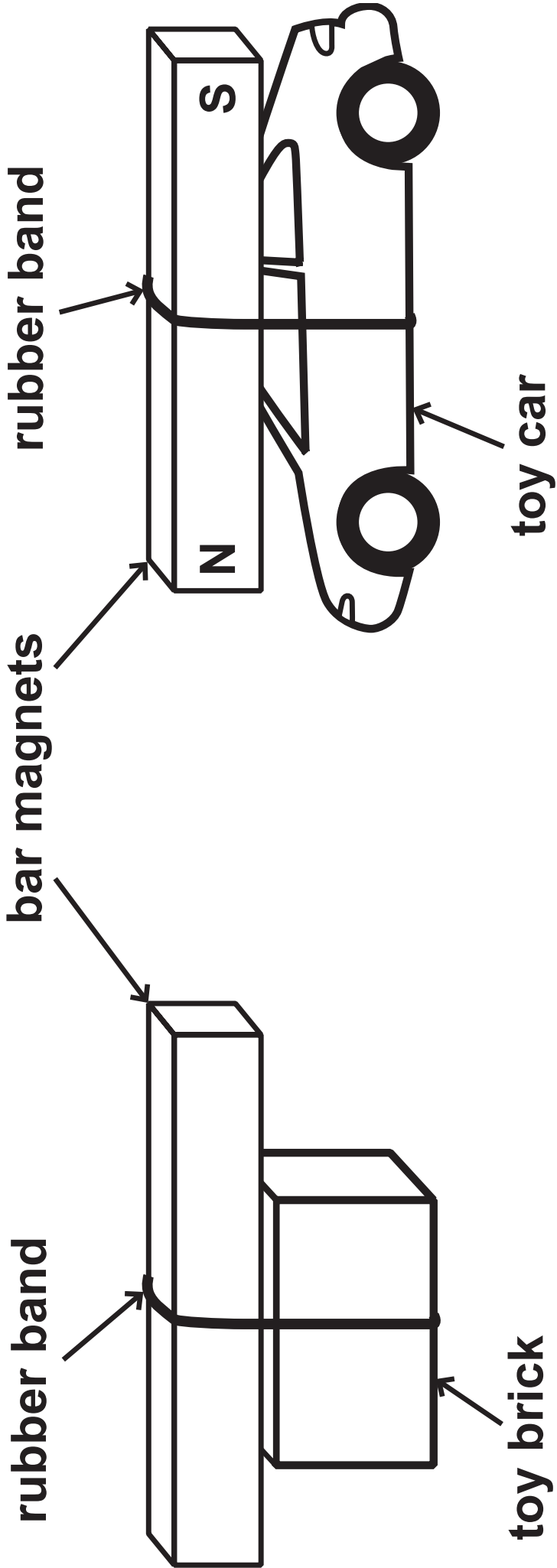
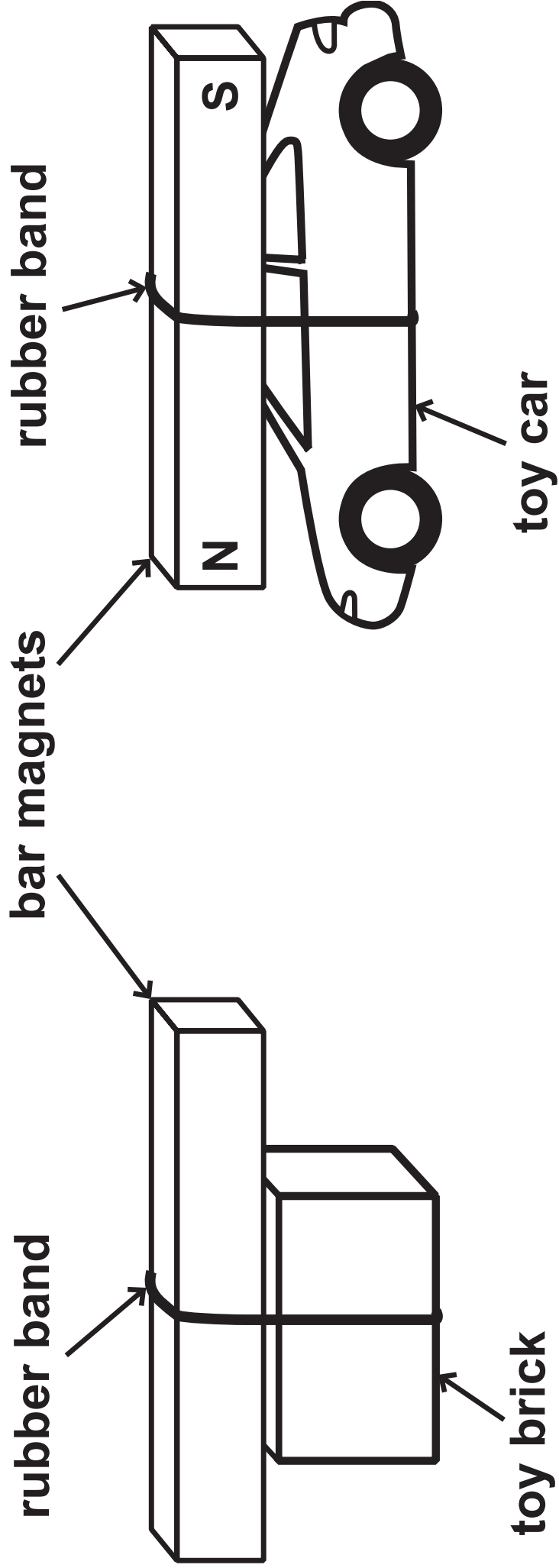
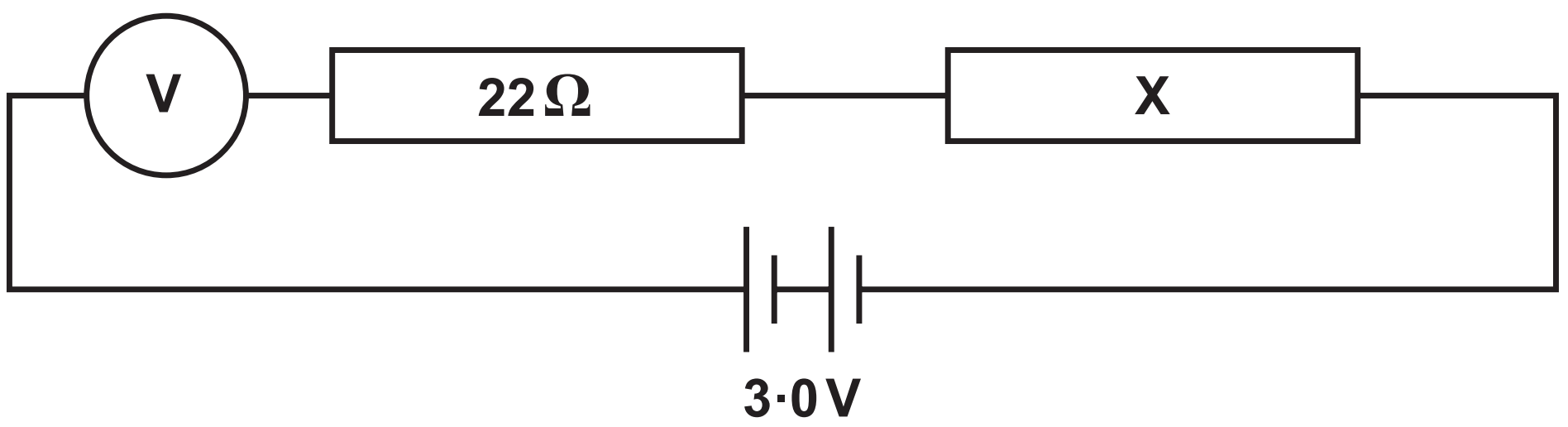


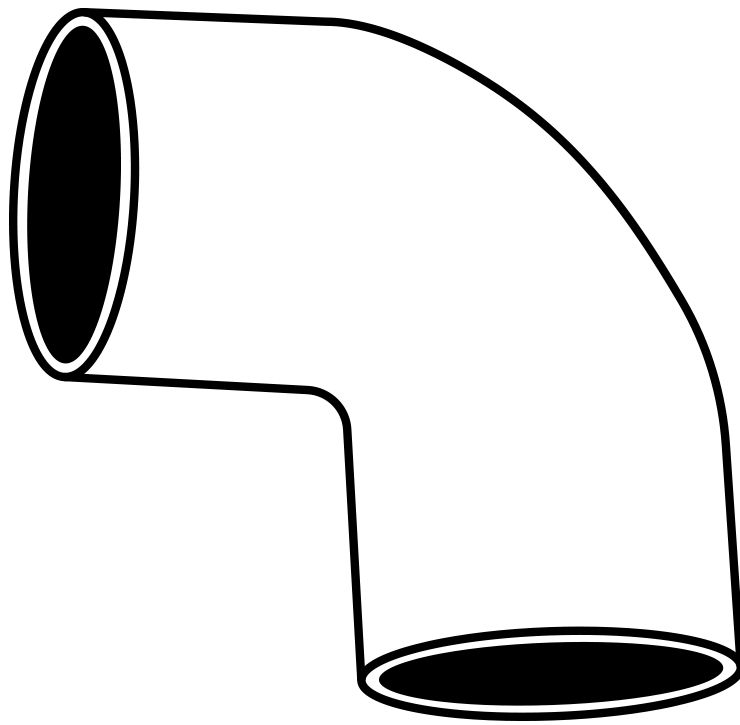
FIGURE 7



Question 4

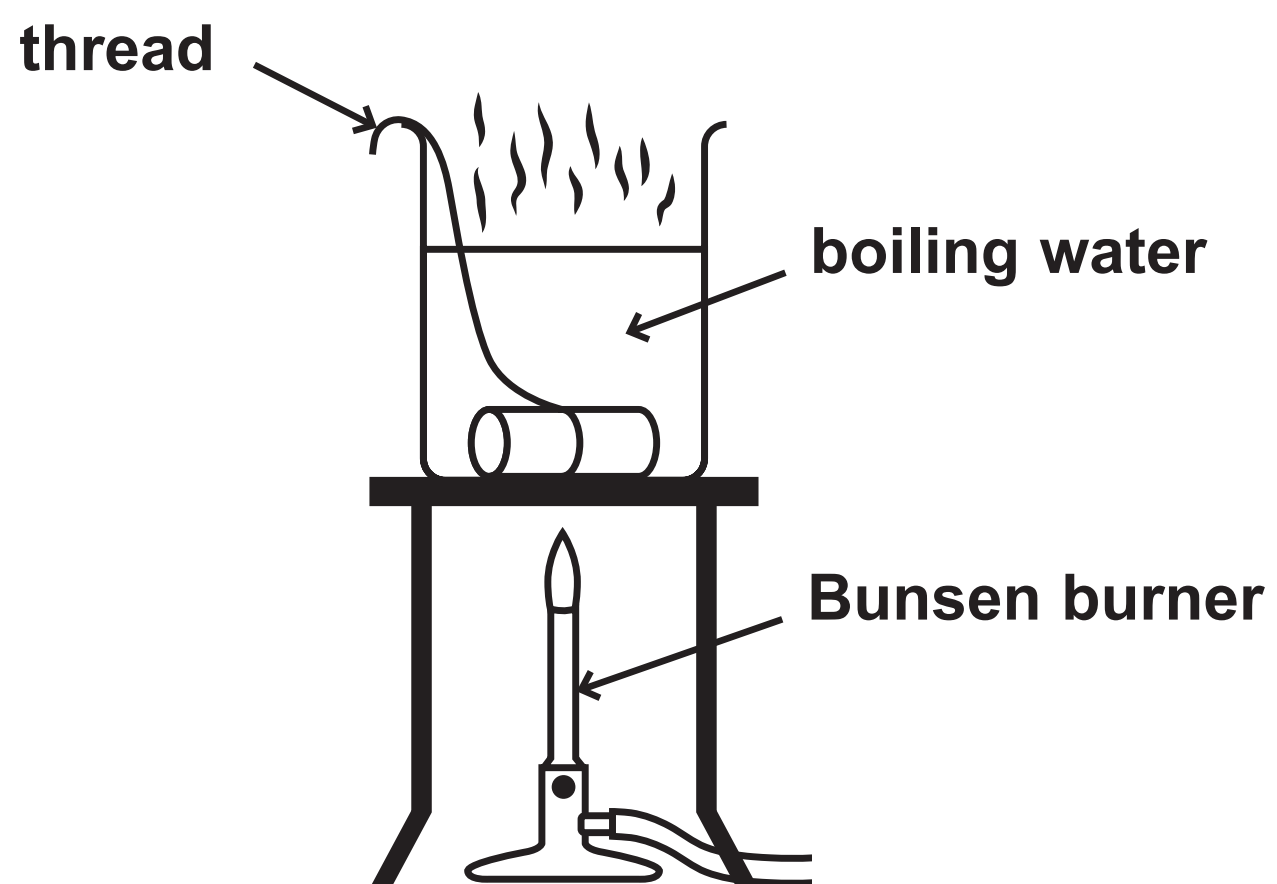
FIGURE 8



Question 5(a)**FIGURE 9**

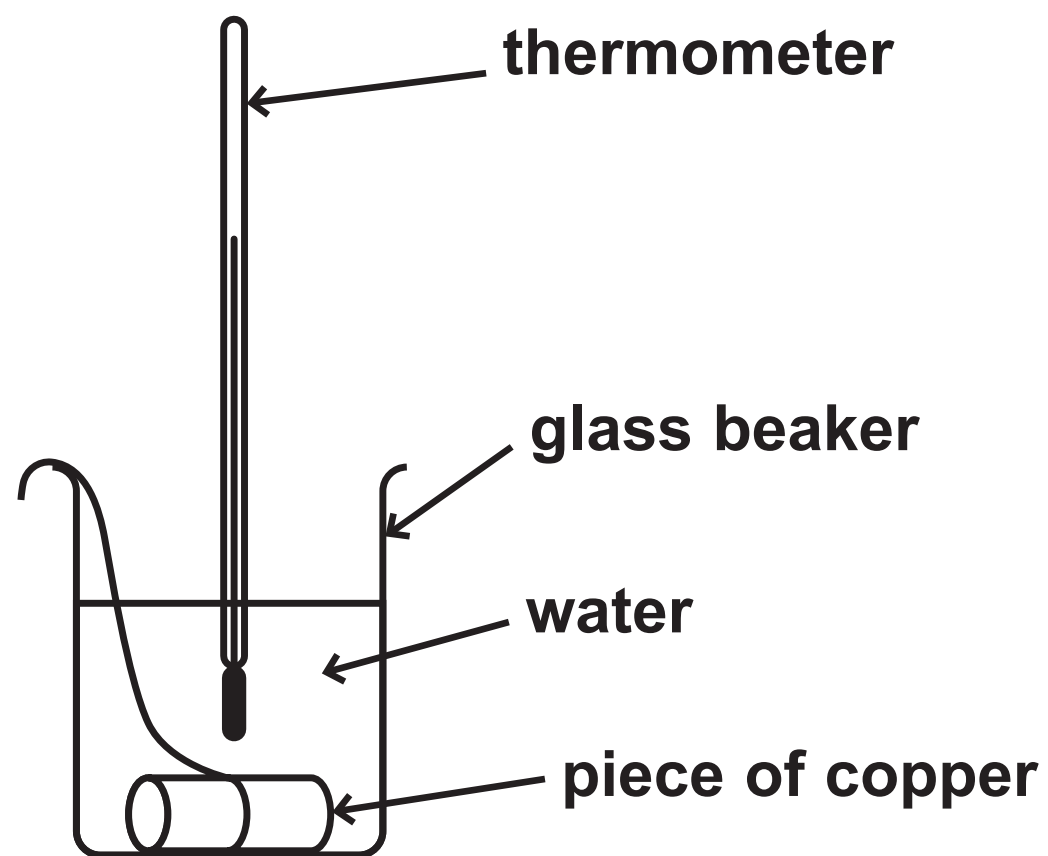
Question 5(b)

FIGURE 10



Question 5(b)

FIGURE 11



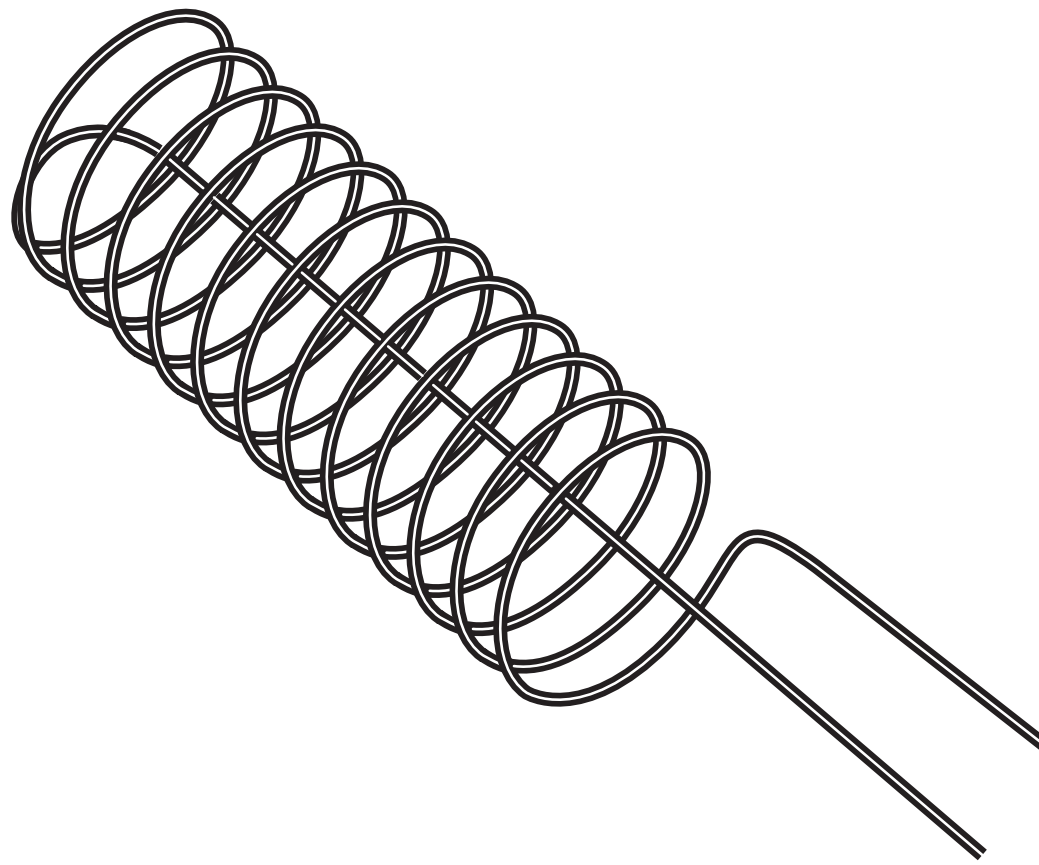
Question 5(b)(i)

change in thermal energy = mass × specific heat capacity × change in temperature

$$\Delta Q = m \times c \times \Delta \theta$$

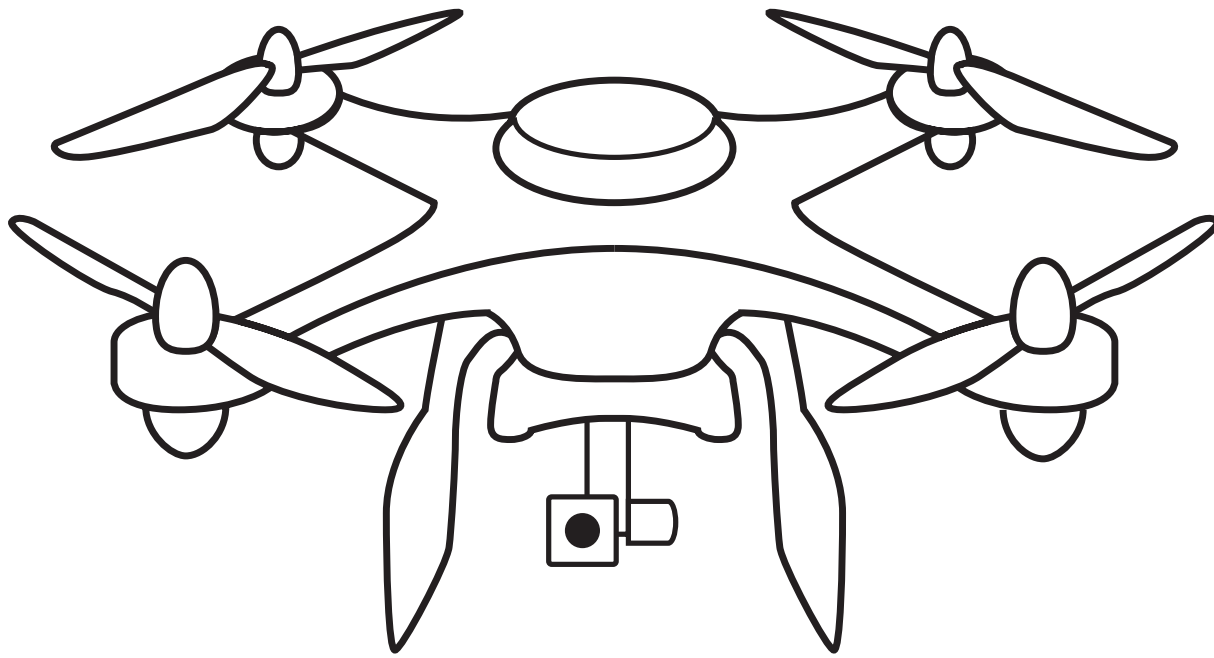
Question 5(c)

FIGURE 12



Question 6(a)

FIGURE 13



Question 6(a)

FIGURE 14

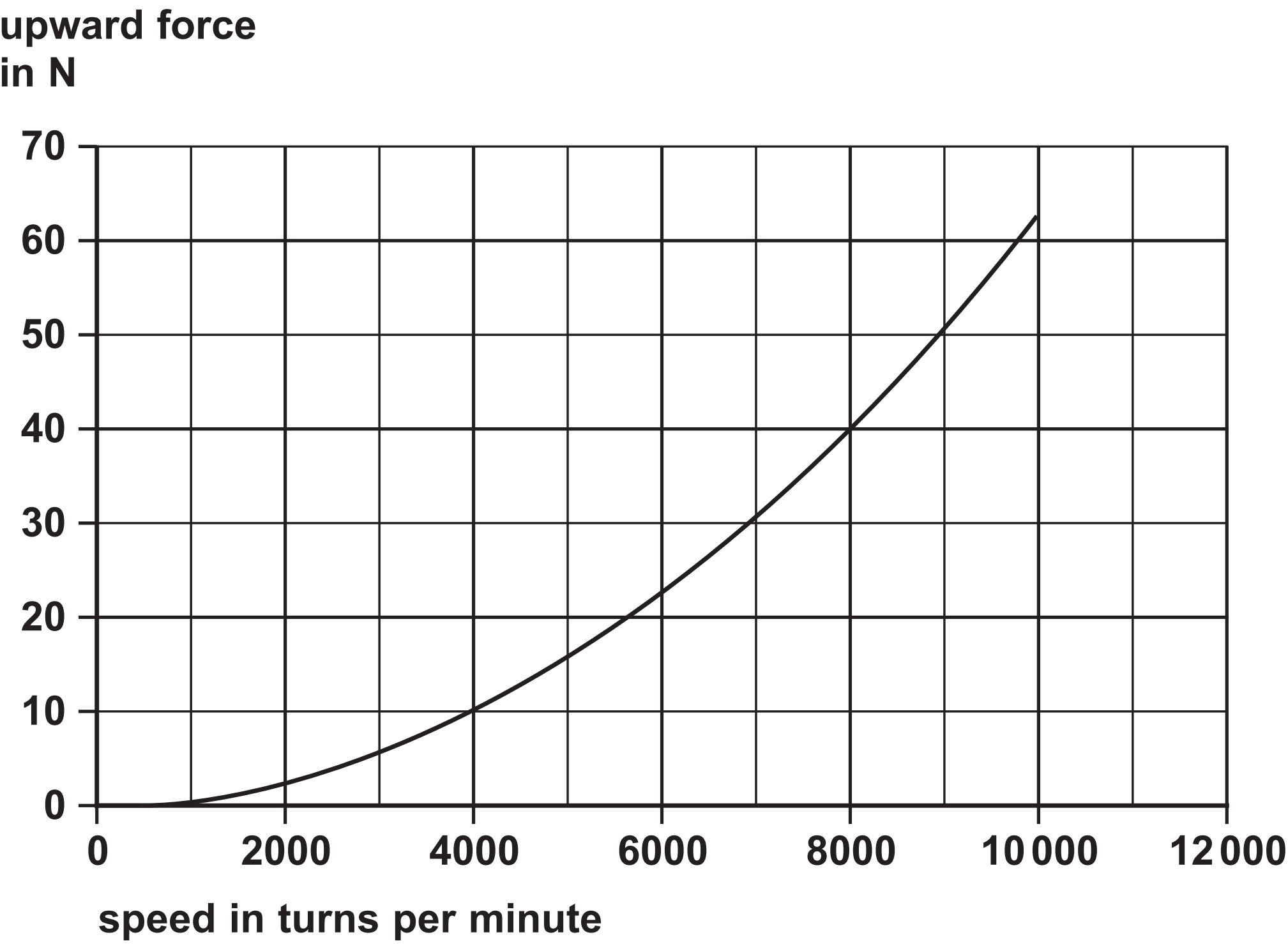
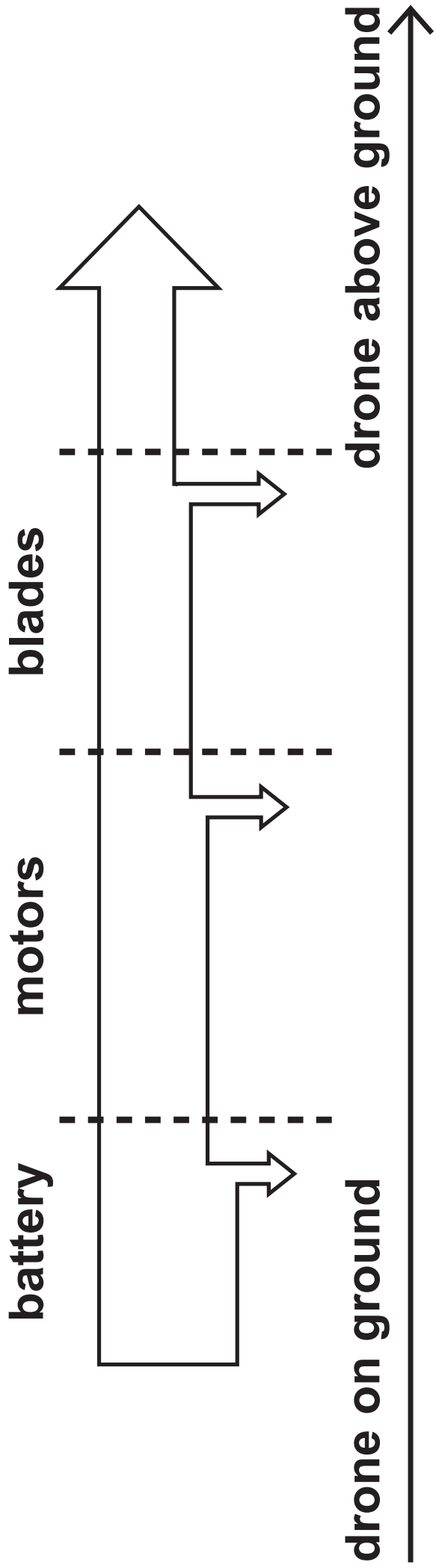


FIGURE 15



Question 5(a)

Source adapted from: © David J. Green/Alamy Stock Photo

Question 6(a)

Source adapted from: © Liubov Kotliar/123RF