

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.**

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Question 1(a)

**circuit
symbol**

description



● **battery**



● **LED**



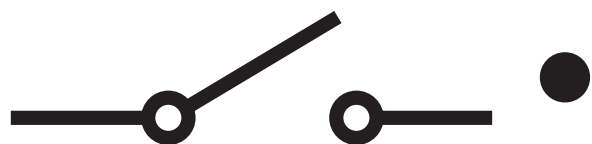
● **switch**

● **resistor**

Question 1(a)

**circuit
symbol**

description



● **battery**



● **LED**

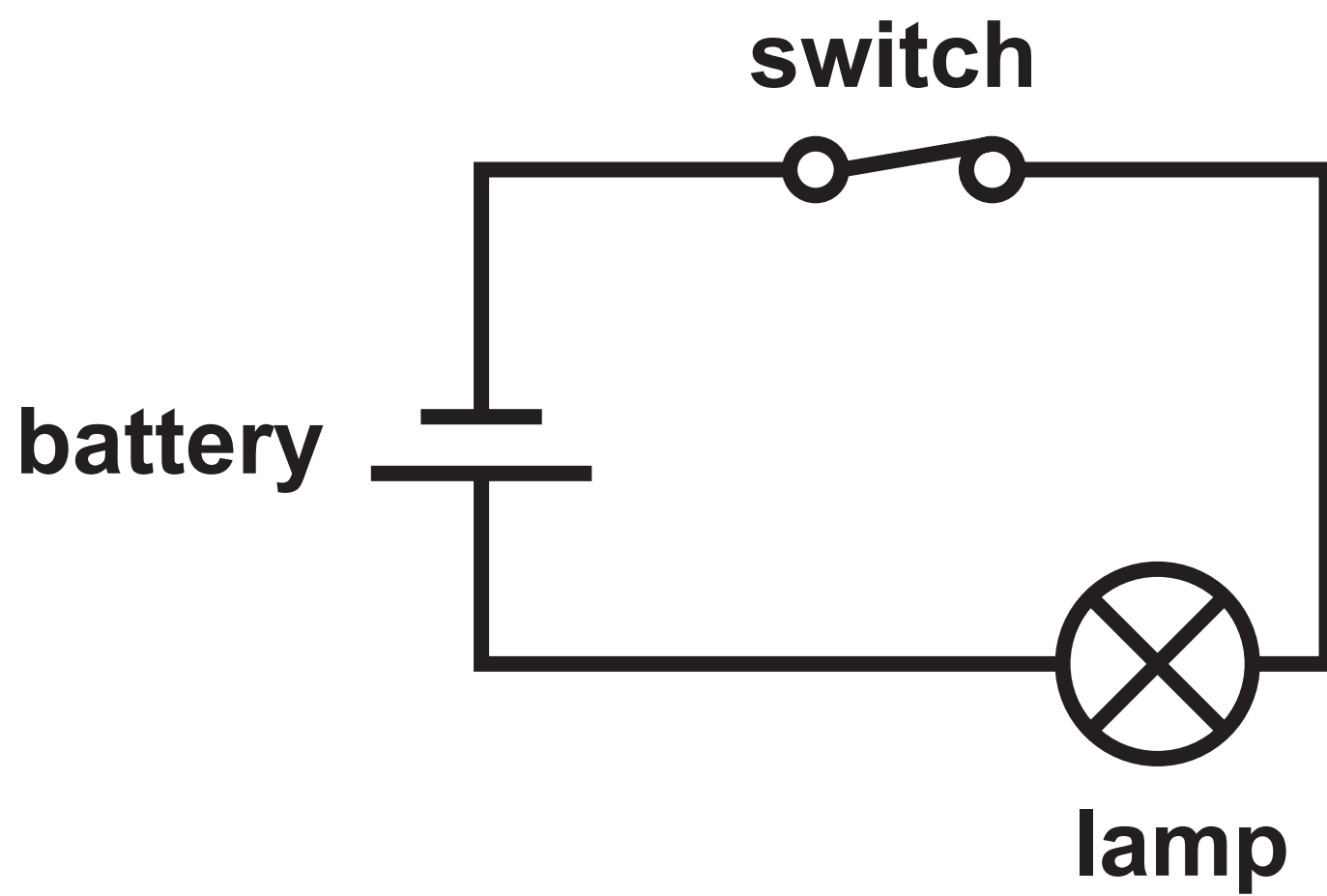


● **switch**

● **resistor**

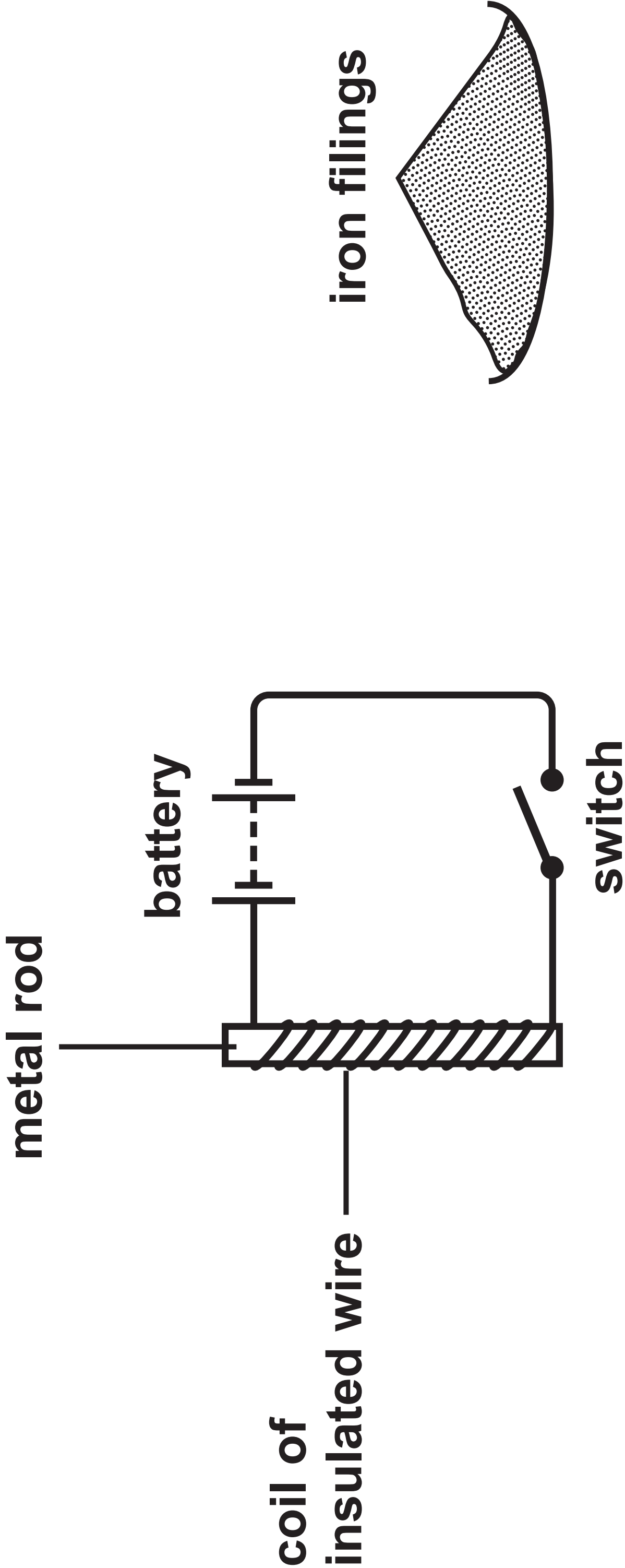
Question 1(b)

FIGURE 1



Question 2(a)

FIGURE 2

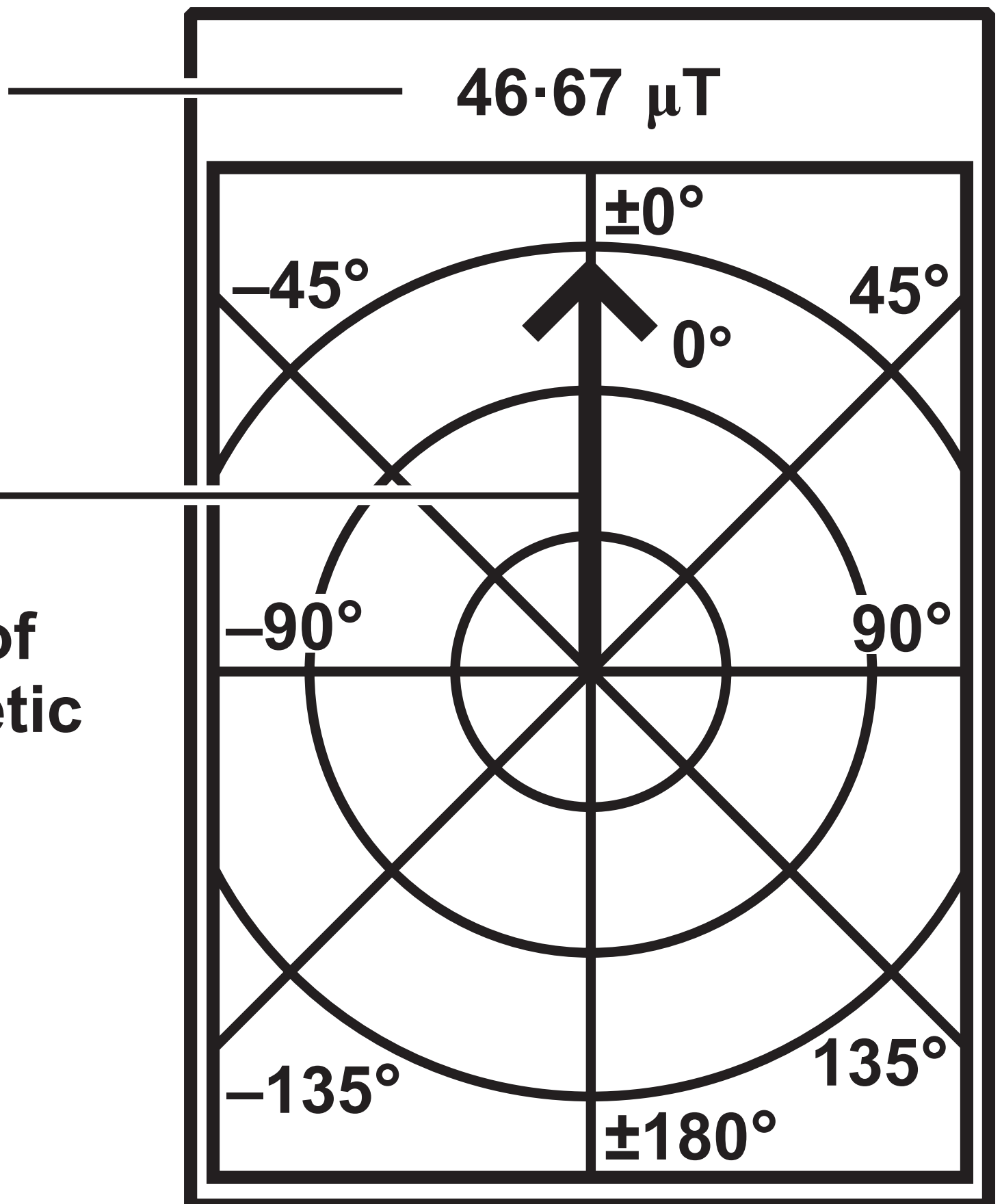


Question 2(b)(i)

FIGURE 3

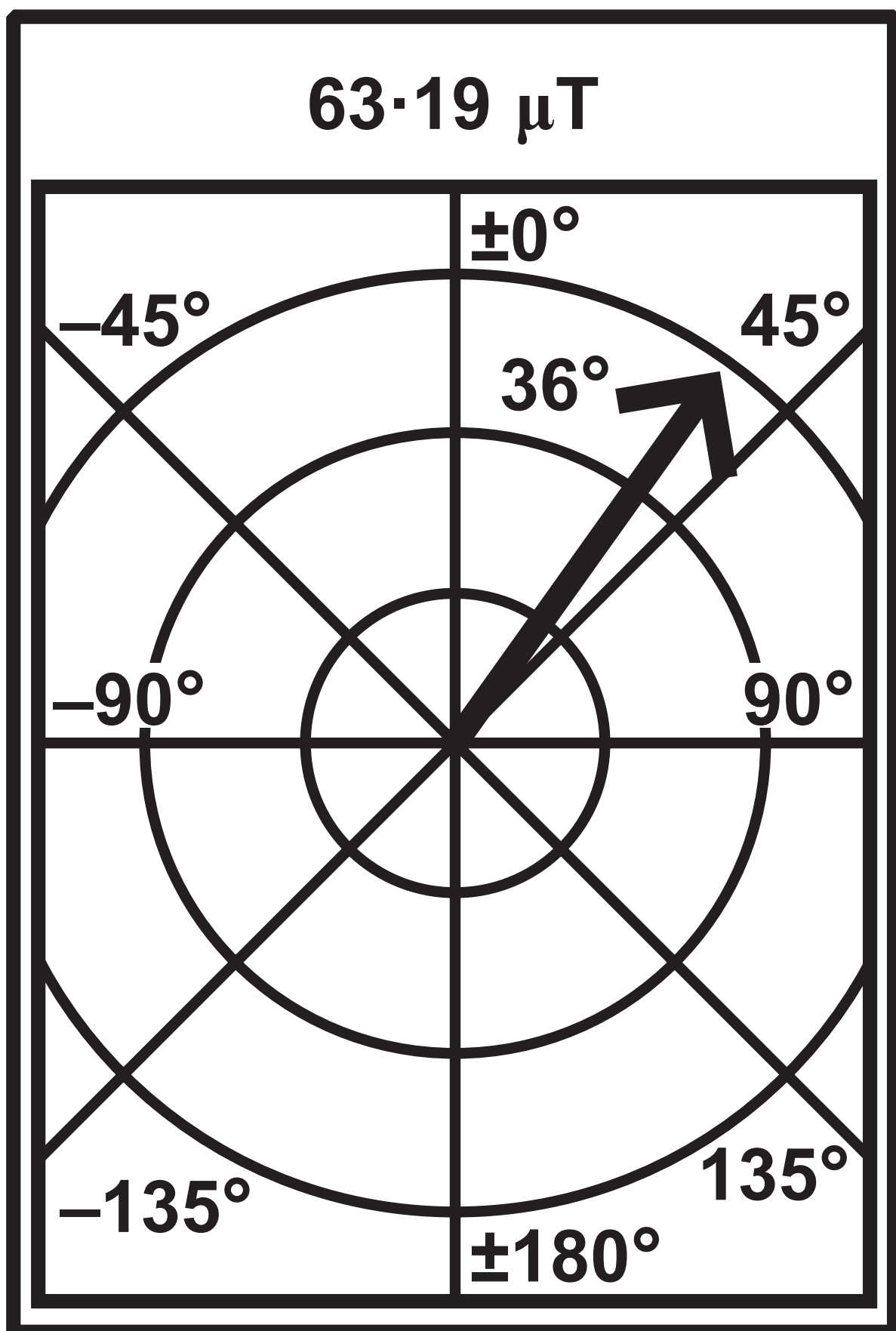
numbers
show the
strength
of the
magnetic
field

pointer
shows the
direction of
the magnetic
field



Question 2(b)(ii)

FIGURE 4

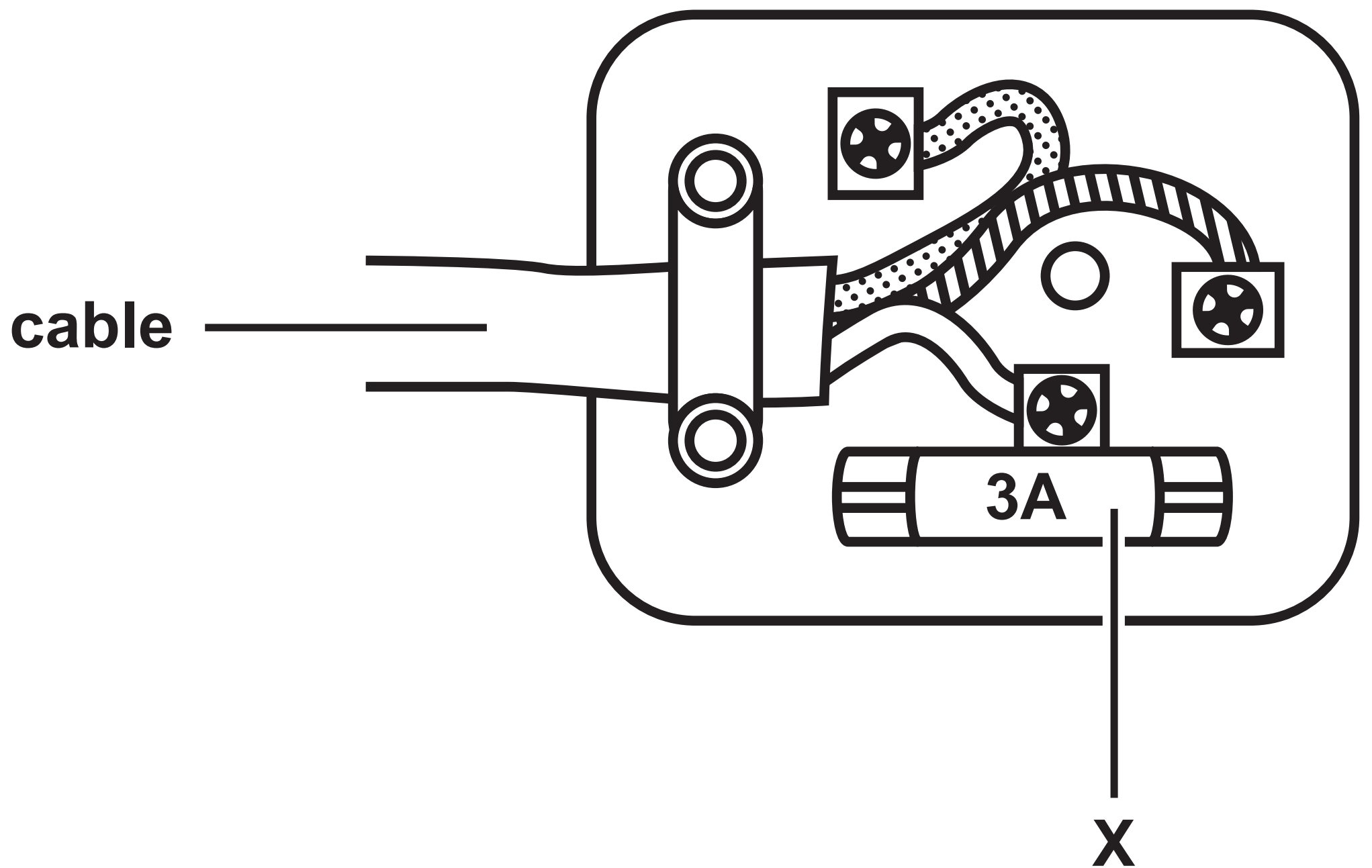


magnet



Question 3(a)

FIGURE 5

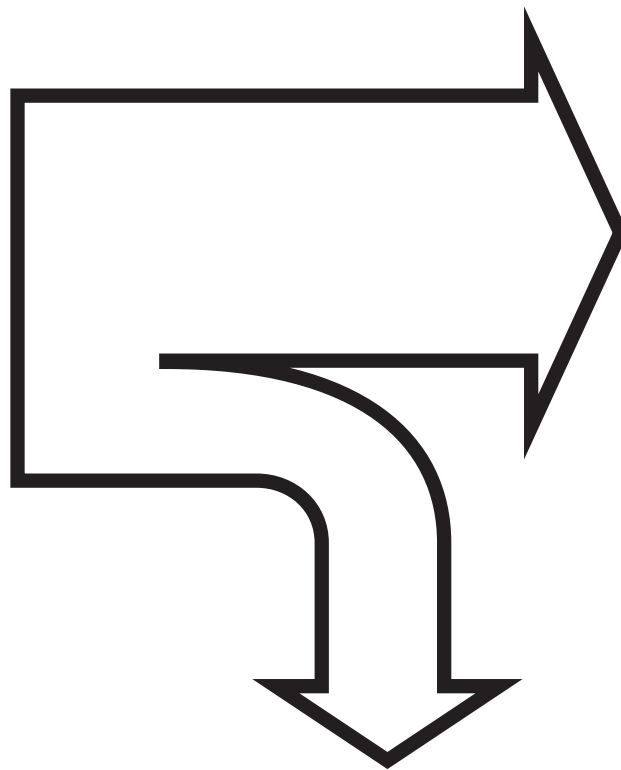


Question 3(c)

FIGURE 6

not to scale

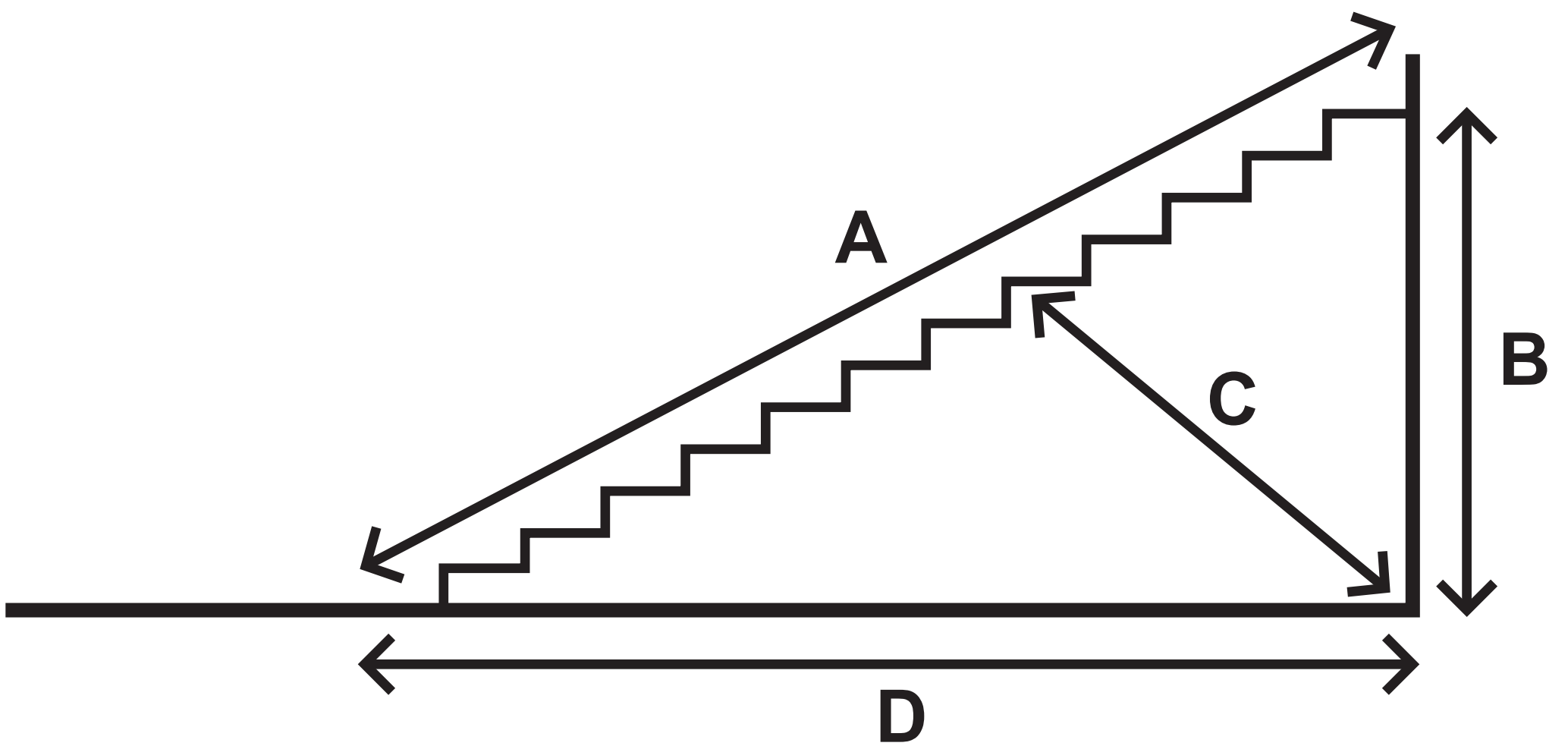
total energy
supplied to
the pump
9000 J



useful energy
transferred
by the pump
8400 J

Question 4(a)

FIGURE 7



Question 4(b)

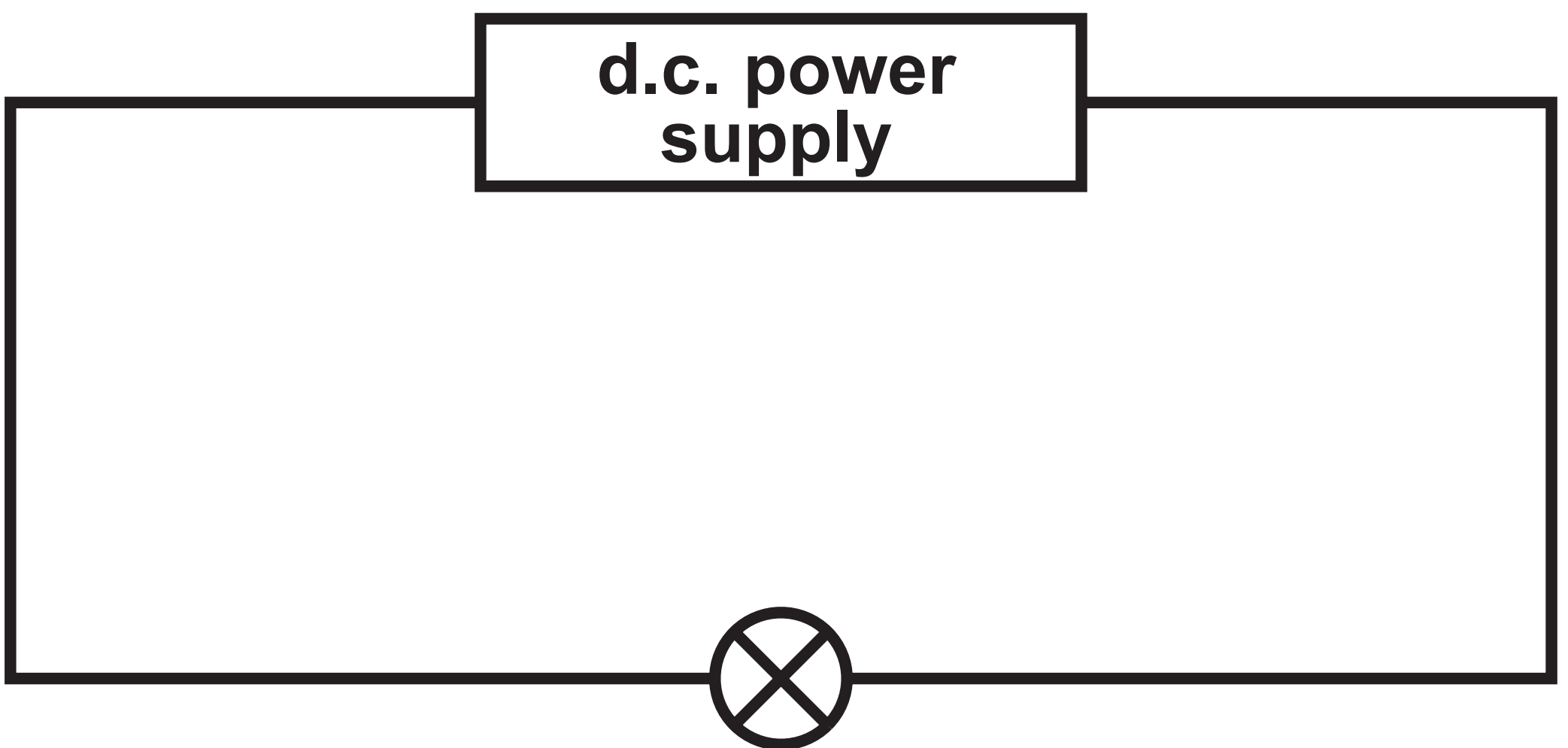
FIGURE 8

student	student estimate of weight in N	distance in m	work done	time taken in s	power in W
A	550	4·0	2200	5·0	440
B		4·0	1960	4·5	436
C	510	4·0	2040		425

14

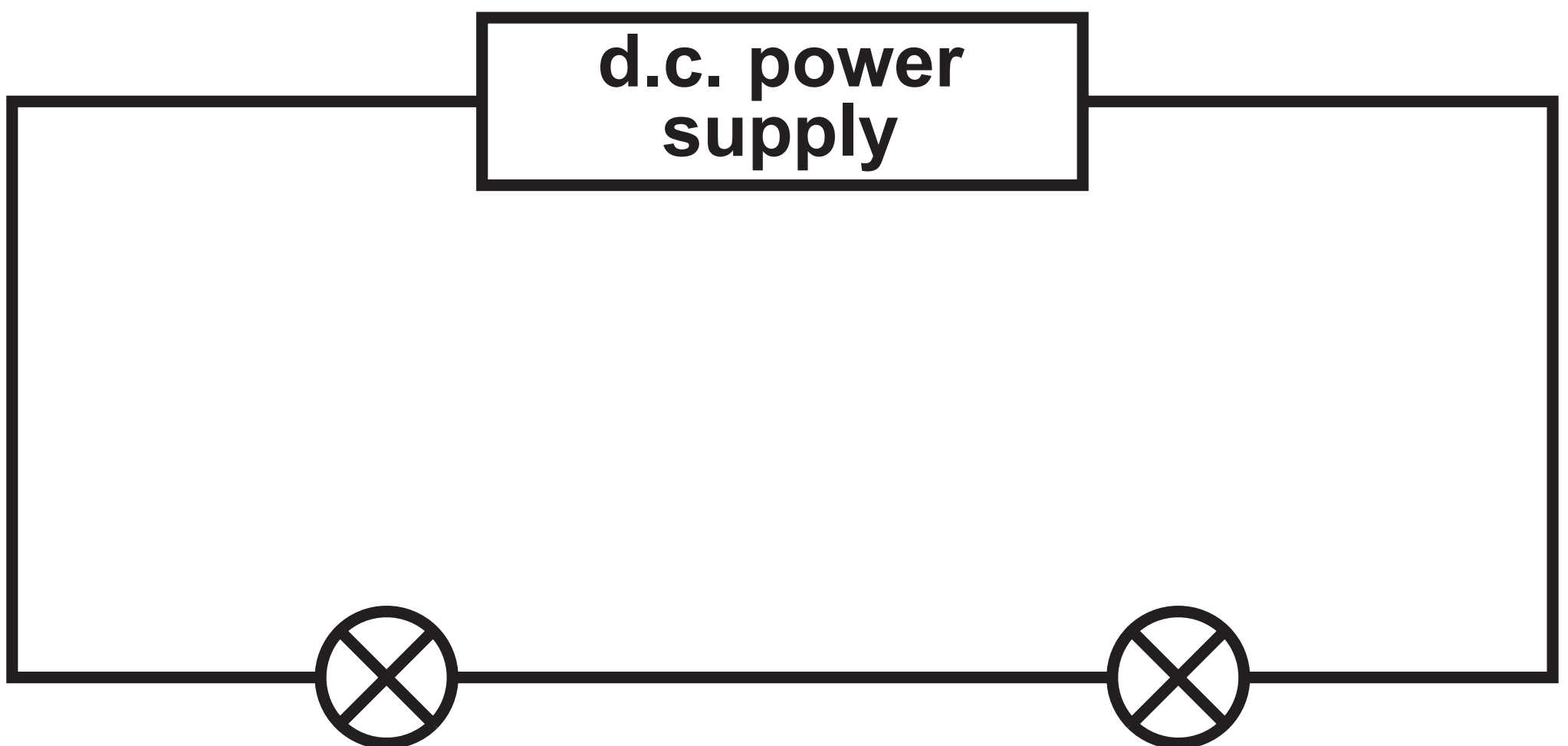
Question 5(a)

FIGURE 9



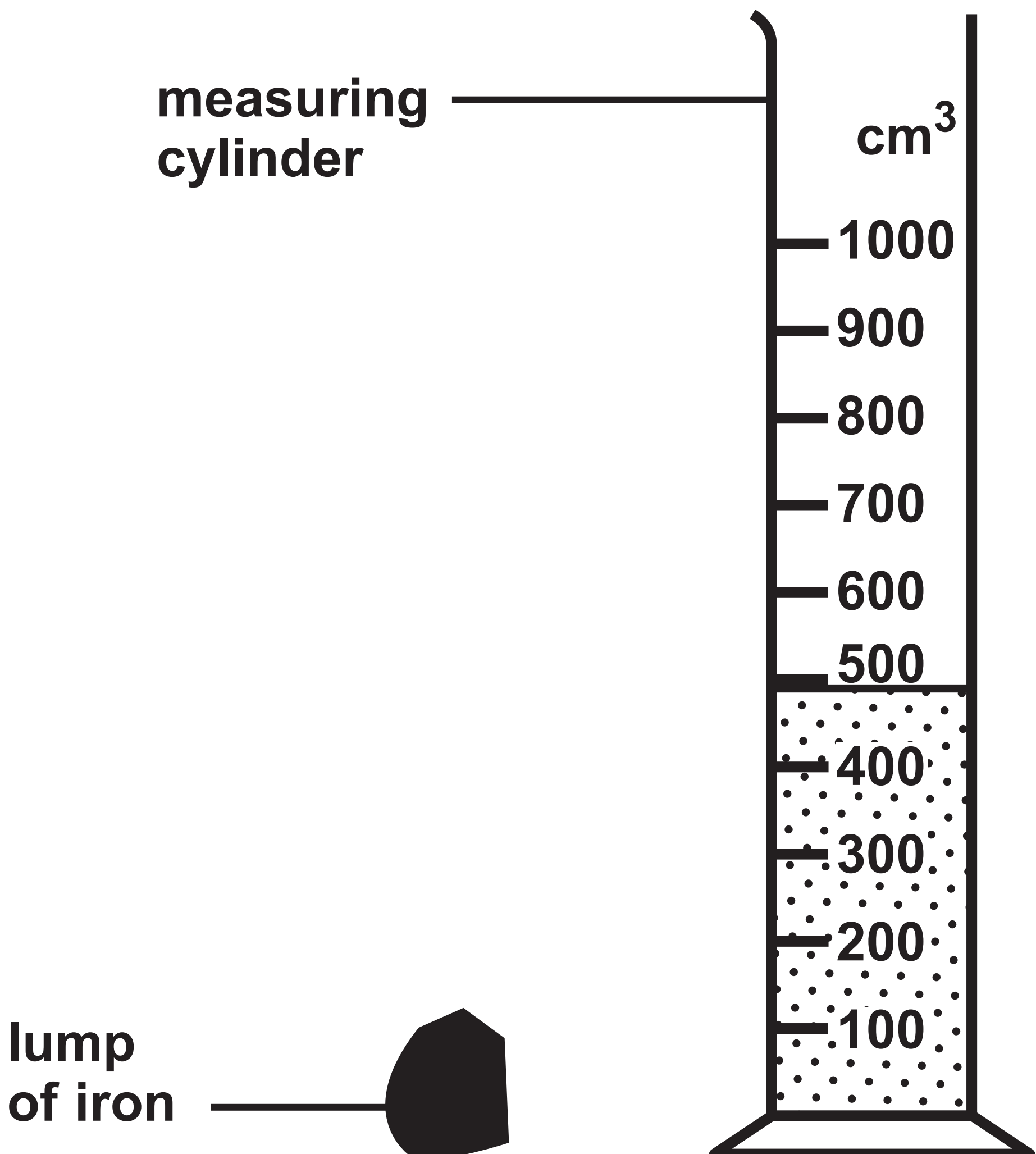
Question 5(b)

FIGURE 10



Question 6(b)

FIGURE 11

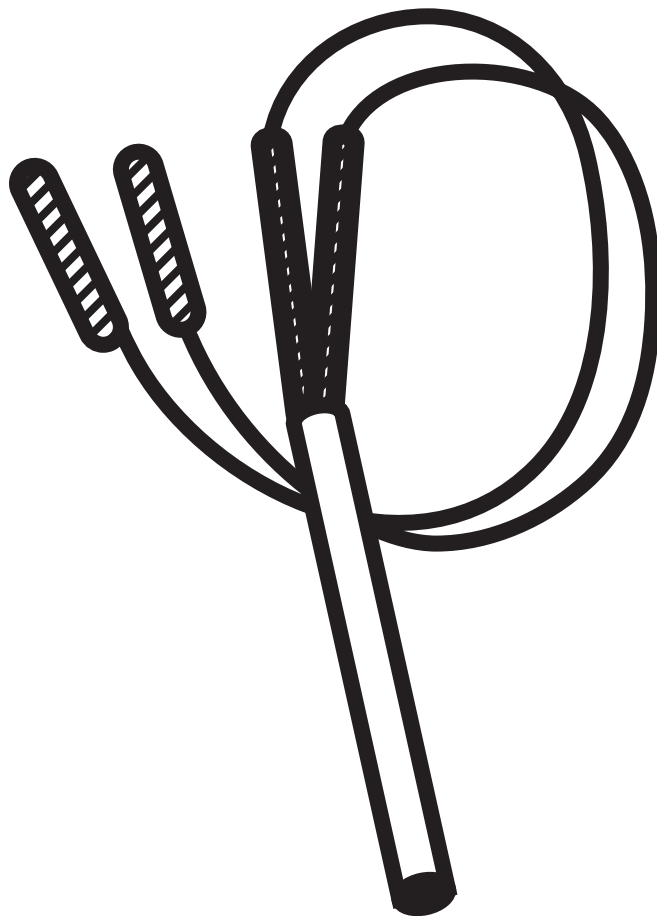


17

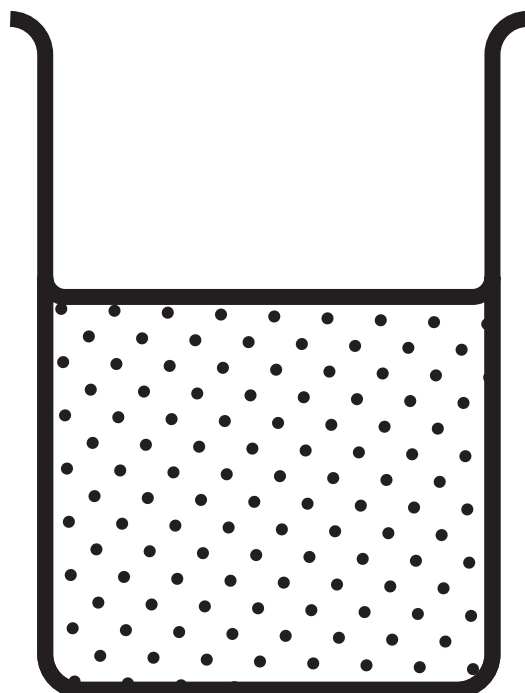
Question 6(d)

FIGURE 12

low voltage heater



beaker of water



Question 2(b)(i)
(Source: adapted from MGS Lite app for iPhone)

Question 2(b)(ii)
(Source: adapted from MGS Lite app for iPhone)