

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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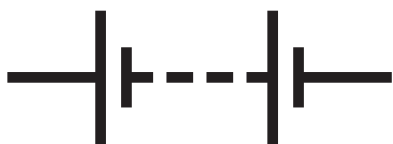
Question 1(a)

circuit symbol

description



battery



LED



switch



resistor

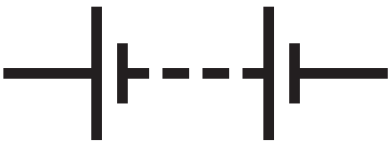
Question 1(a)

circuit symbol

description



battery



LED



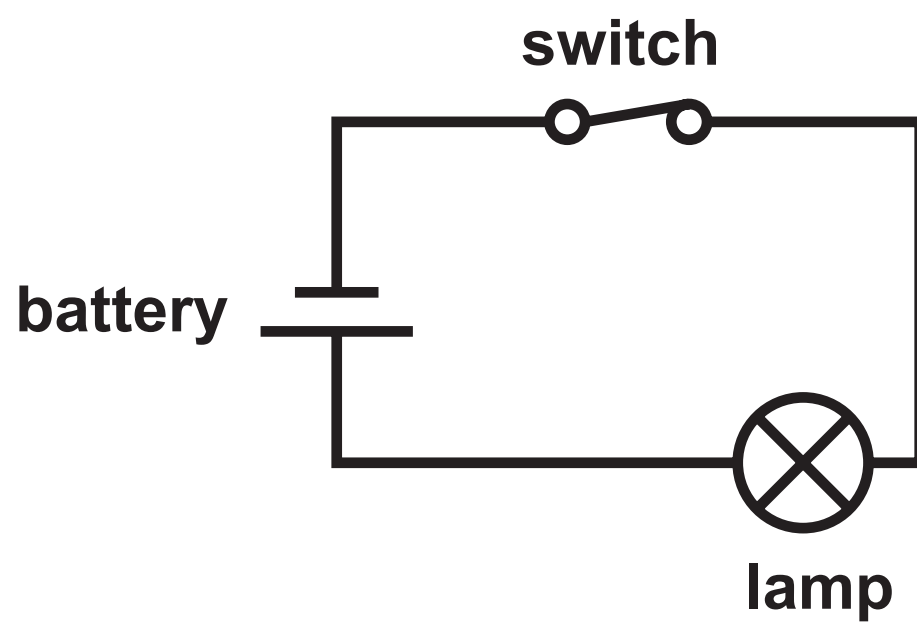
switch



resistor

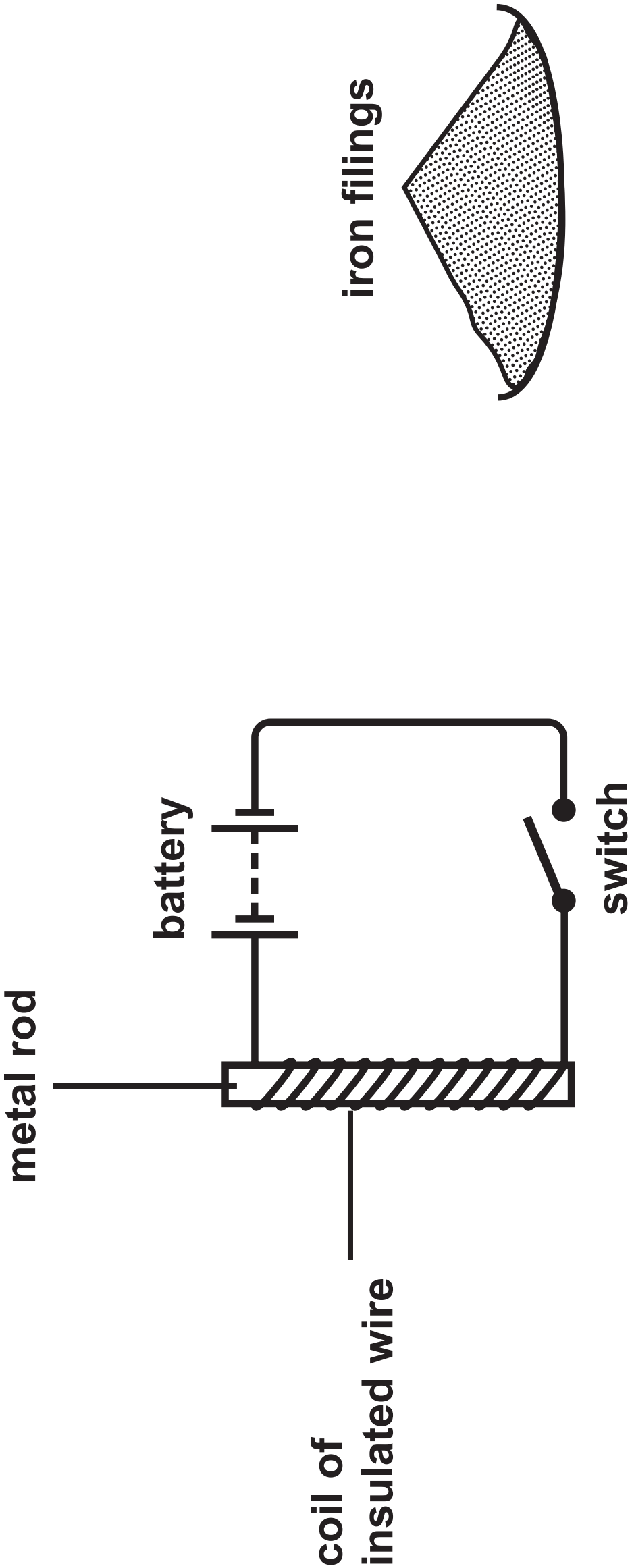
Question 1(b)

FIGURE 1



Question 2(a)

FIGURE 2

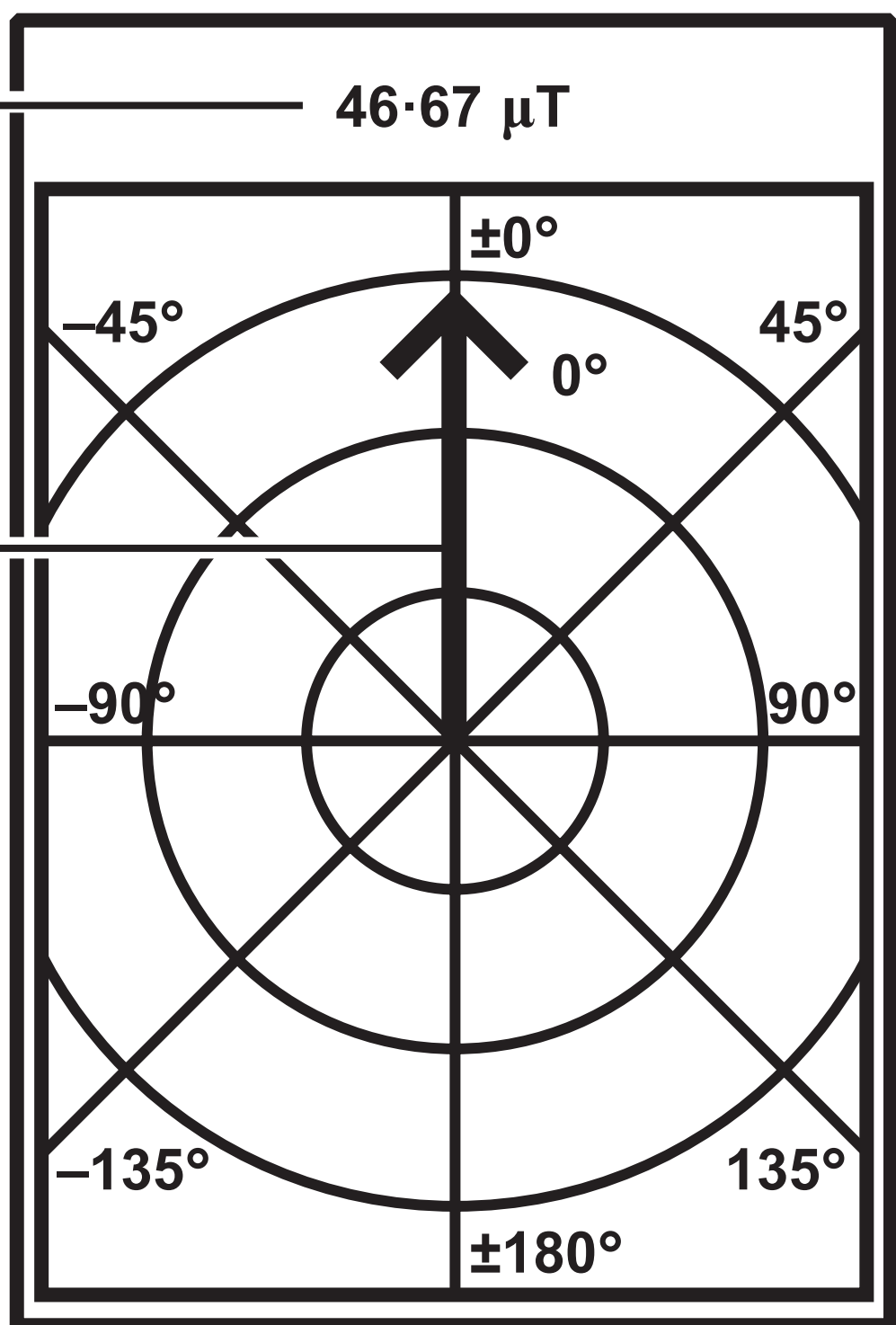


Question 2(b)(i)

FIGURE 3

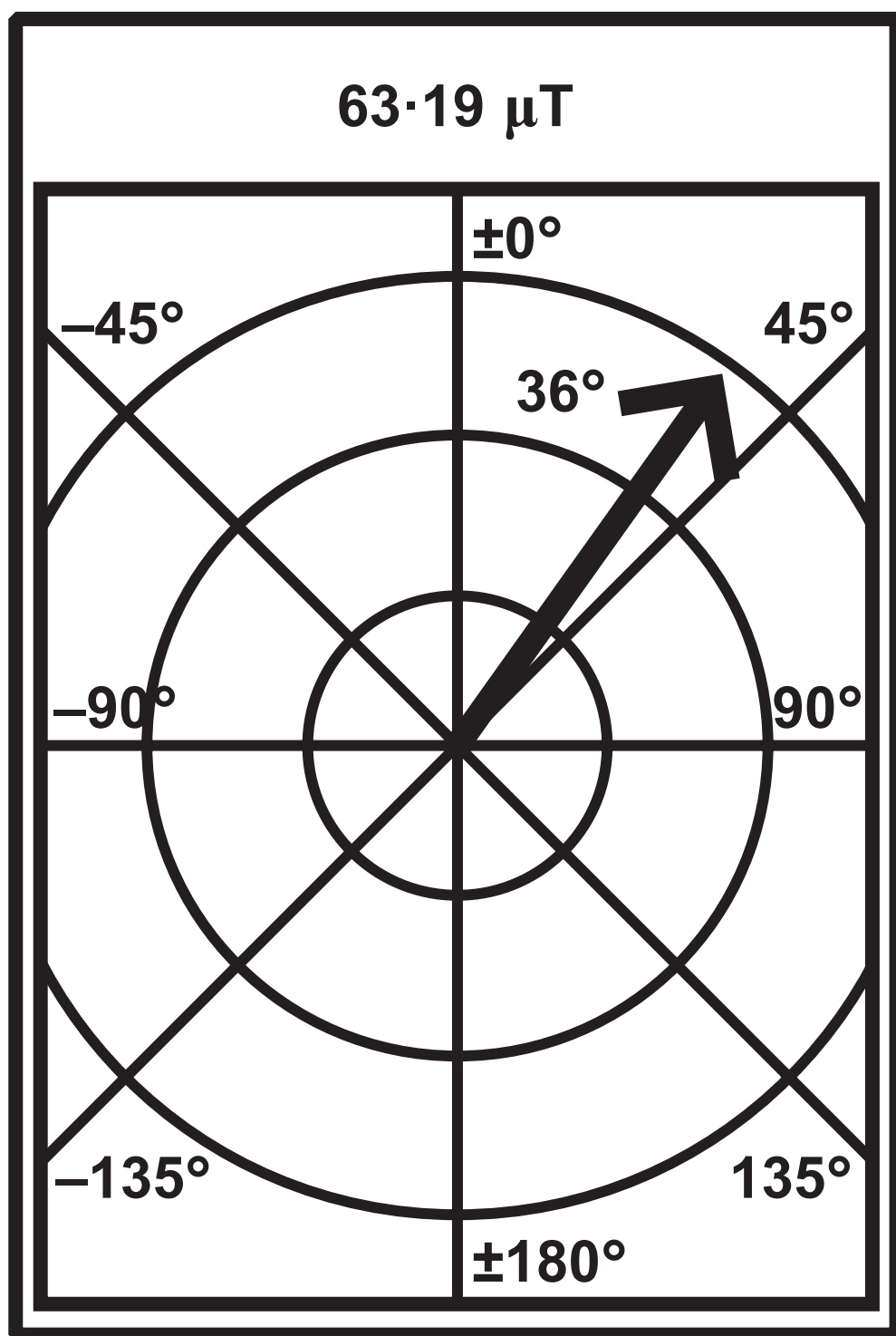
numbers show
the strength of
the magnetic field

pointer shows the
direction of the
magnetic field



Question 2(b)(ii)

FIGURE 4

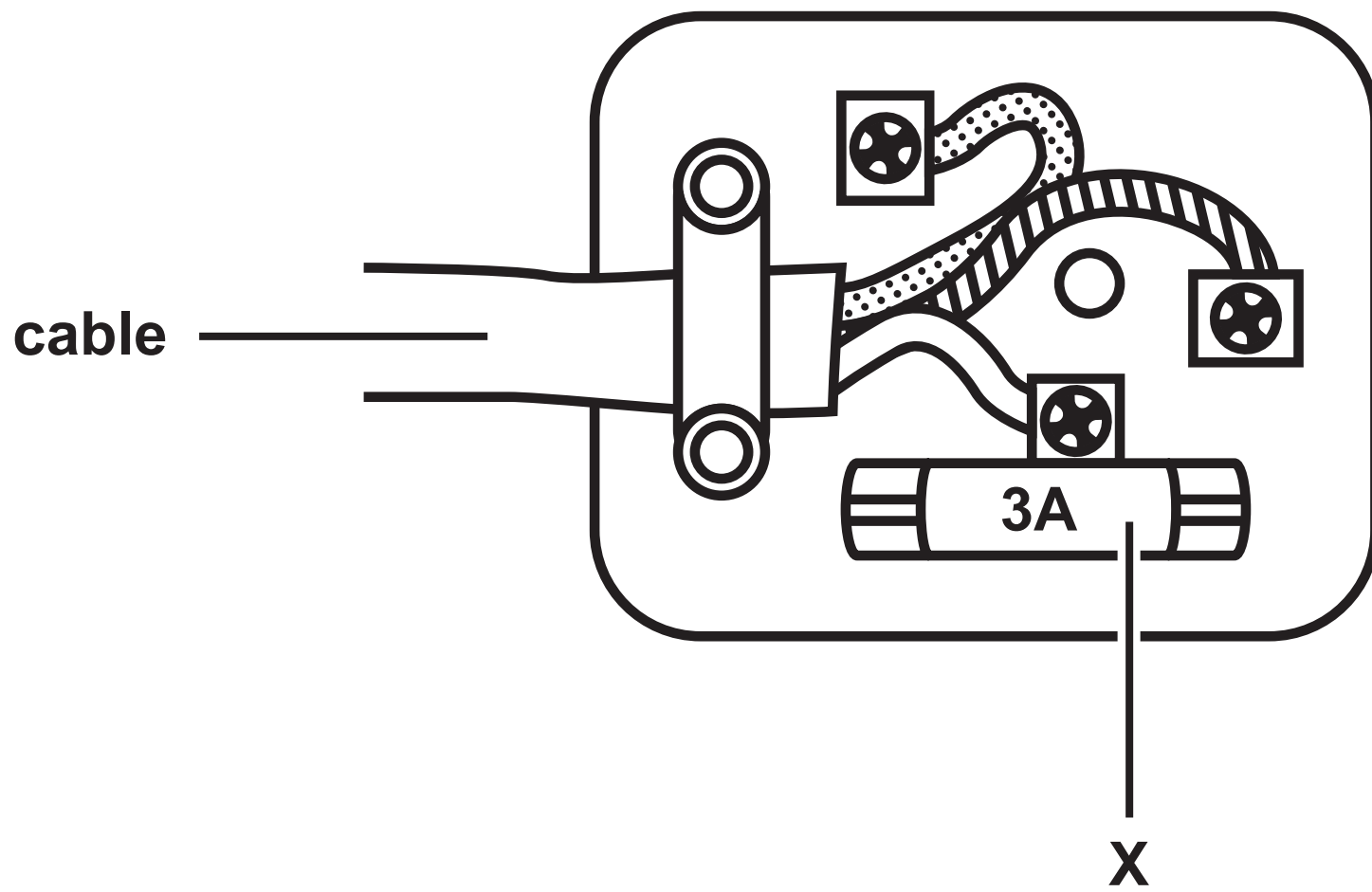


magnet



Question 3(a)

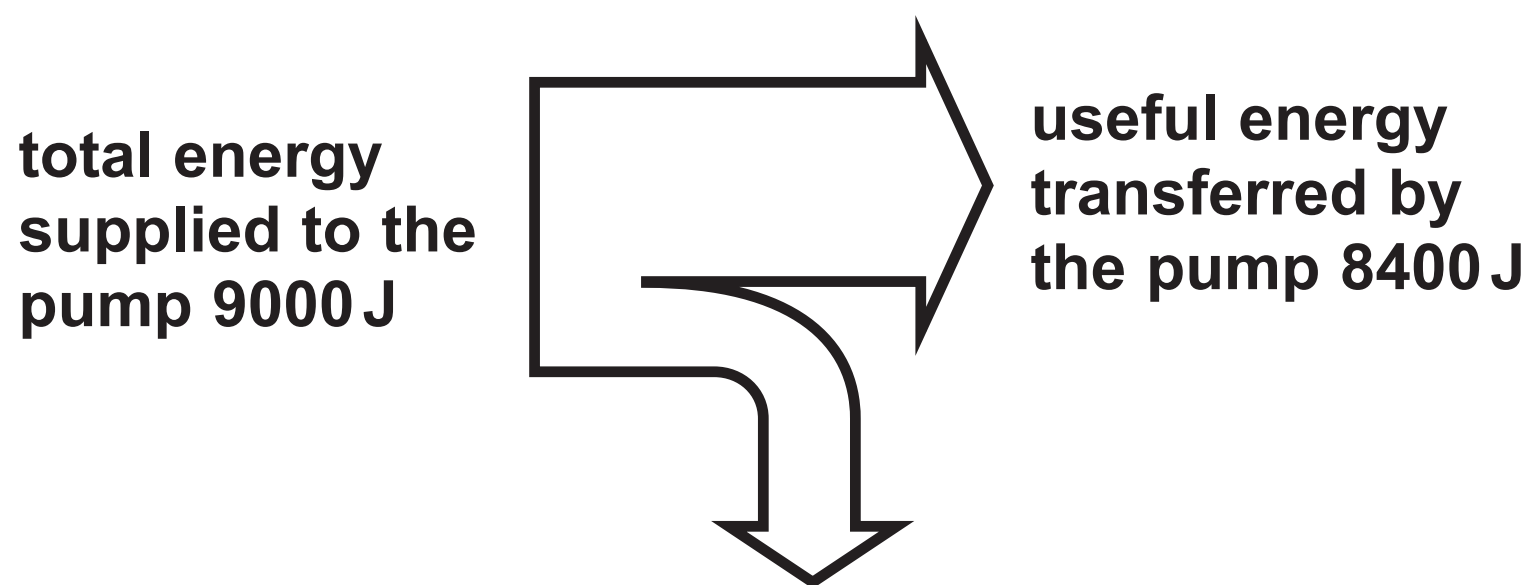
FIGURE 5



Question 3(c)

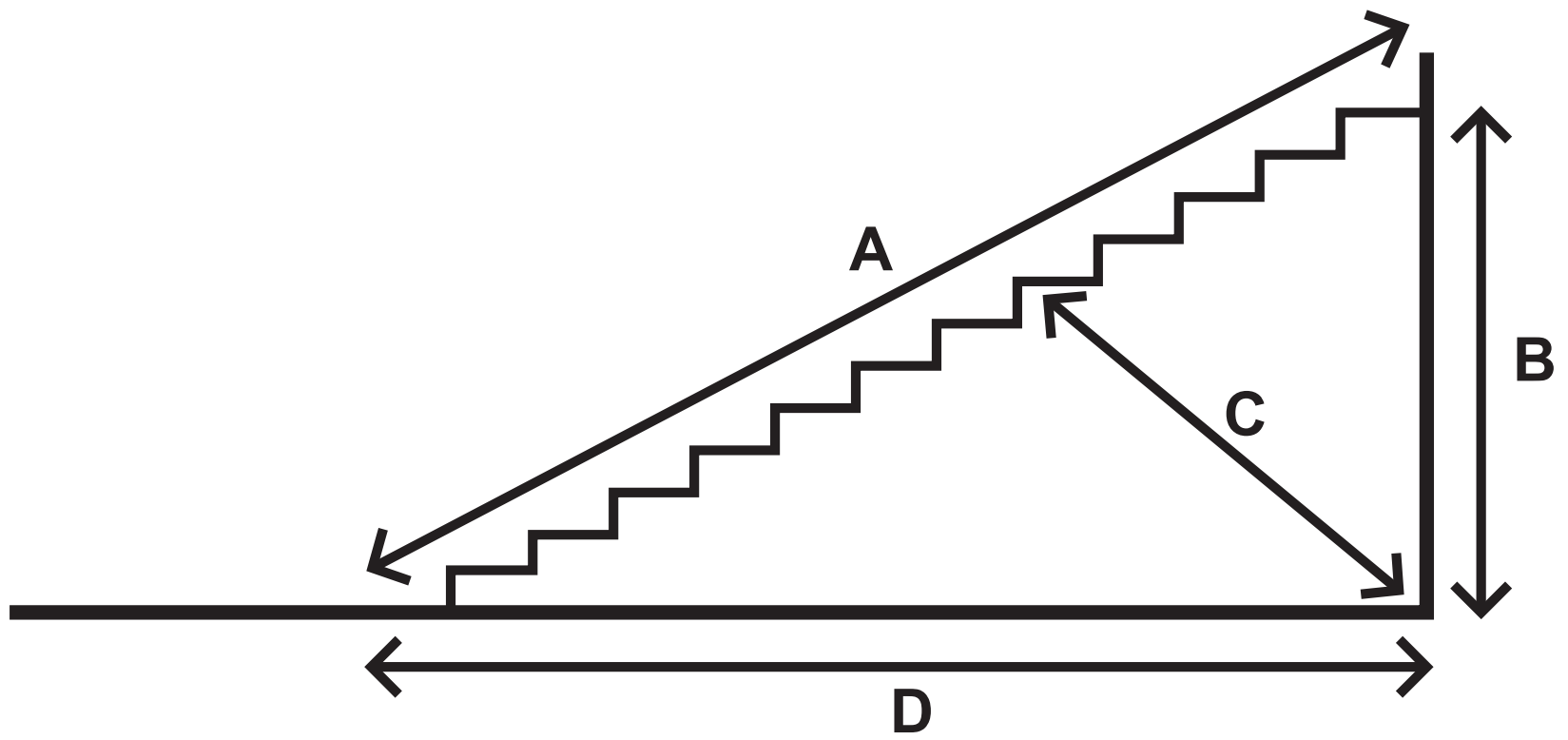
FIGURE 6

not to scale



Question 4(a)

FIGURE 7



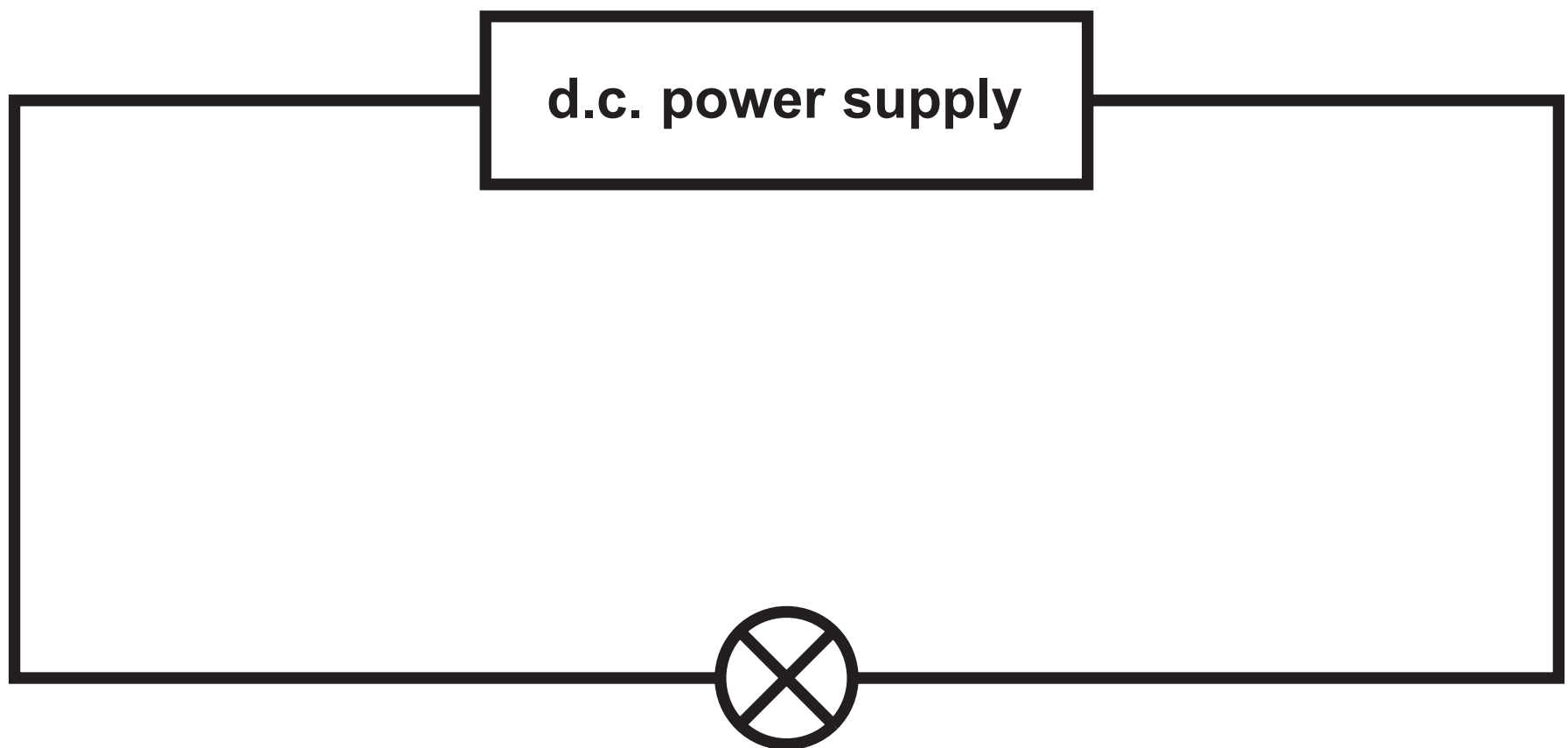
Question 4(b)

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

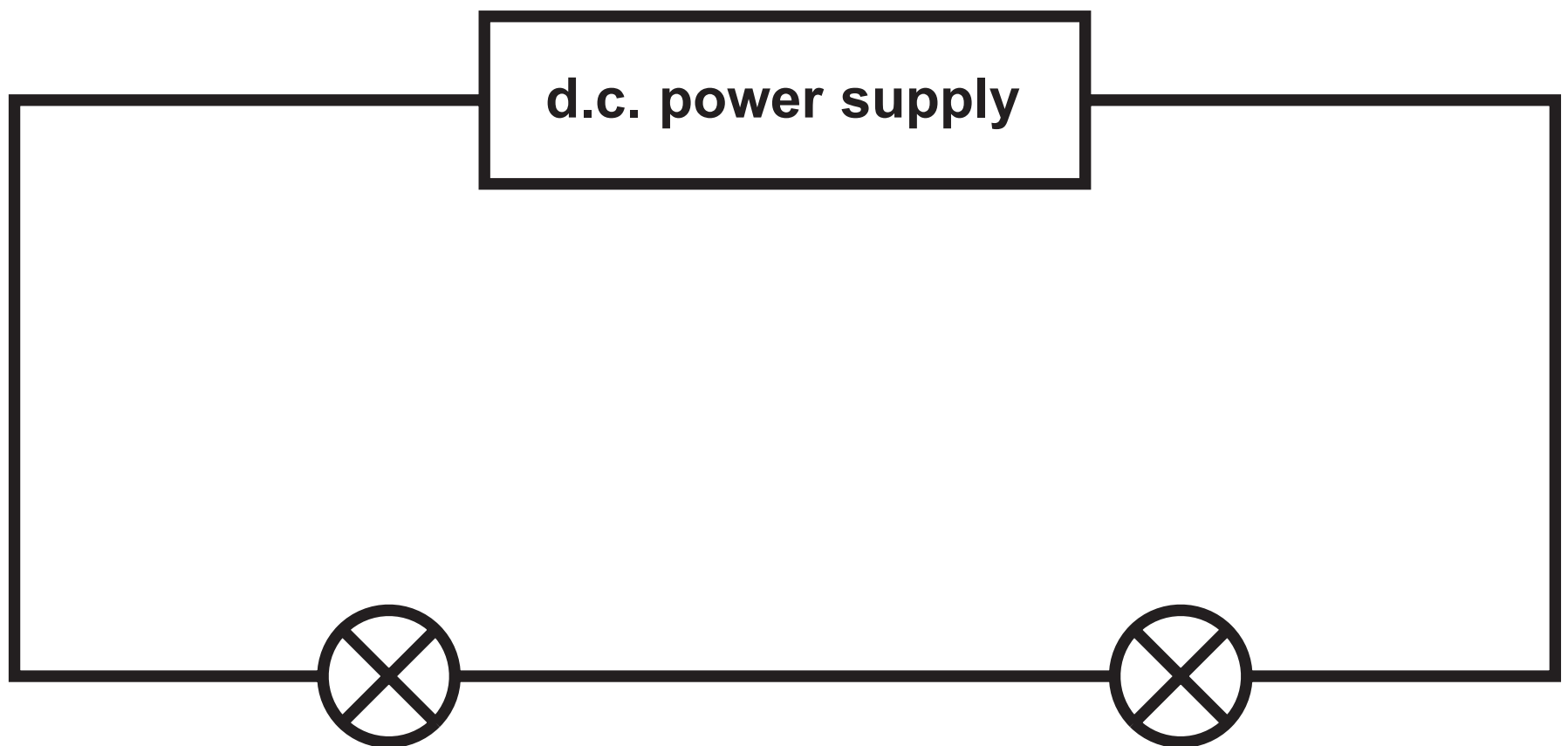
Question 5(a)

FIGURE 9



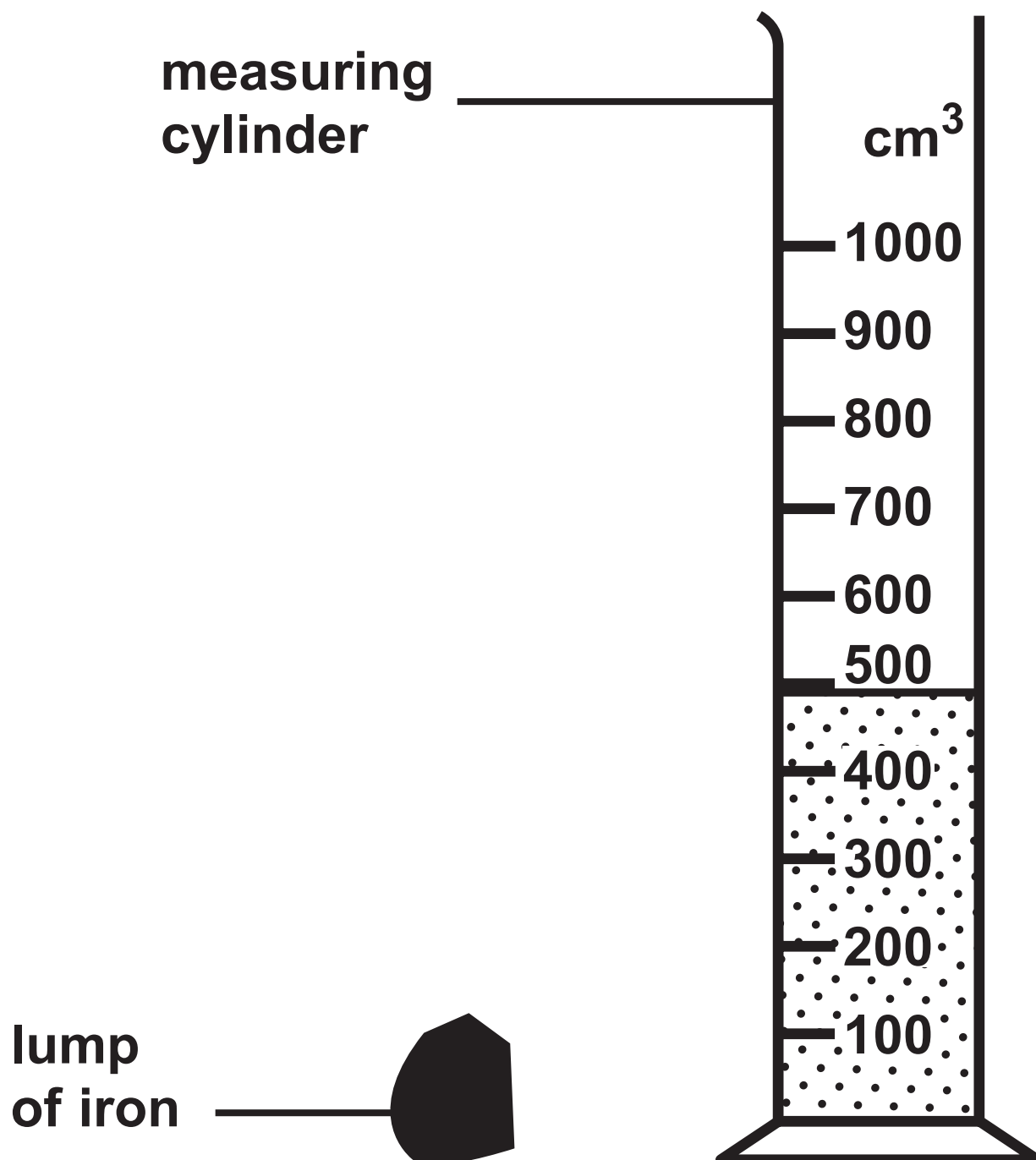
Question 5(b)

FIGURE 10



Question 6(b)

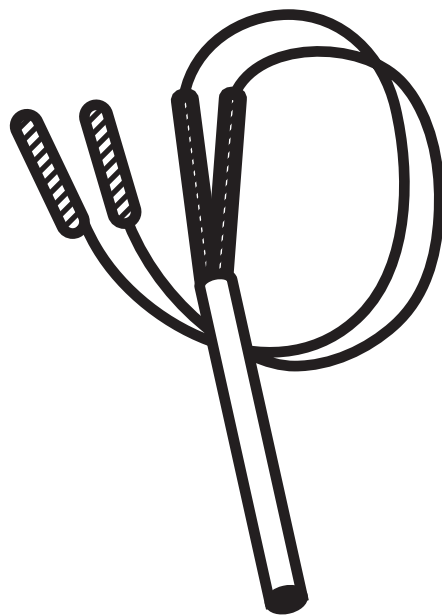
FIGURE 11



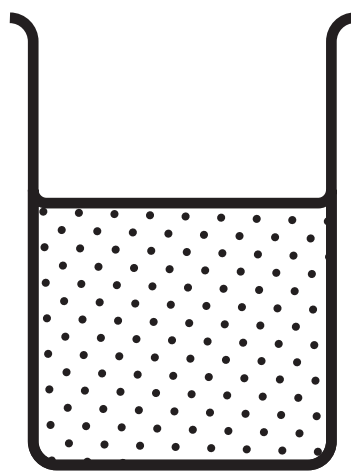
Question 6(d)

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)