

Pearson Edexcel Level 1/Level 2 GCSE (9-1)

Friday 24 May 2019

Paper Reference 1DT0/1D

Design and Technology
Component 1: Systems

DIAGRAM BOOKLET

Write your name here

Candidate Surname					
Other names					
Centre No.					
Candidate No.					

FIGURE 1

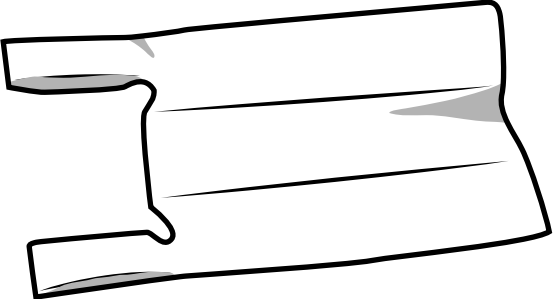
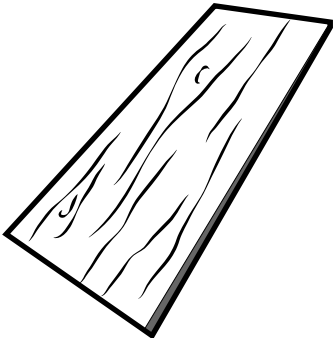
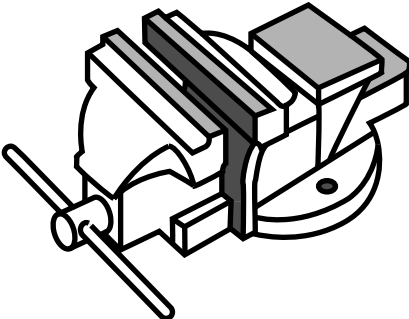
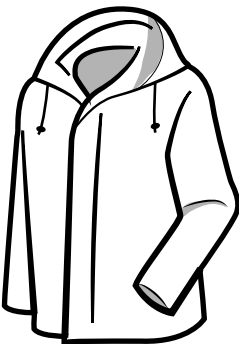
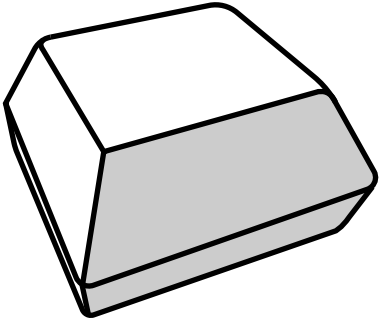
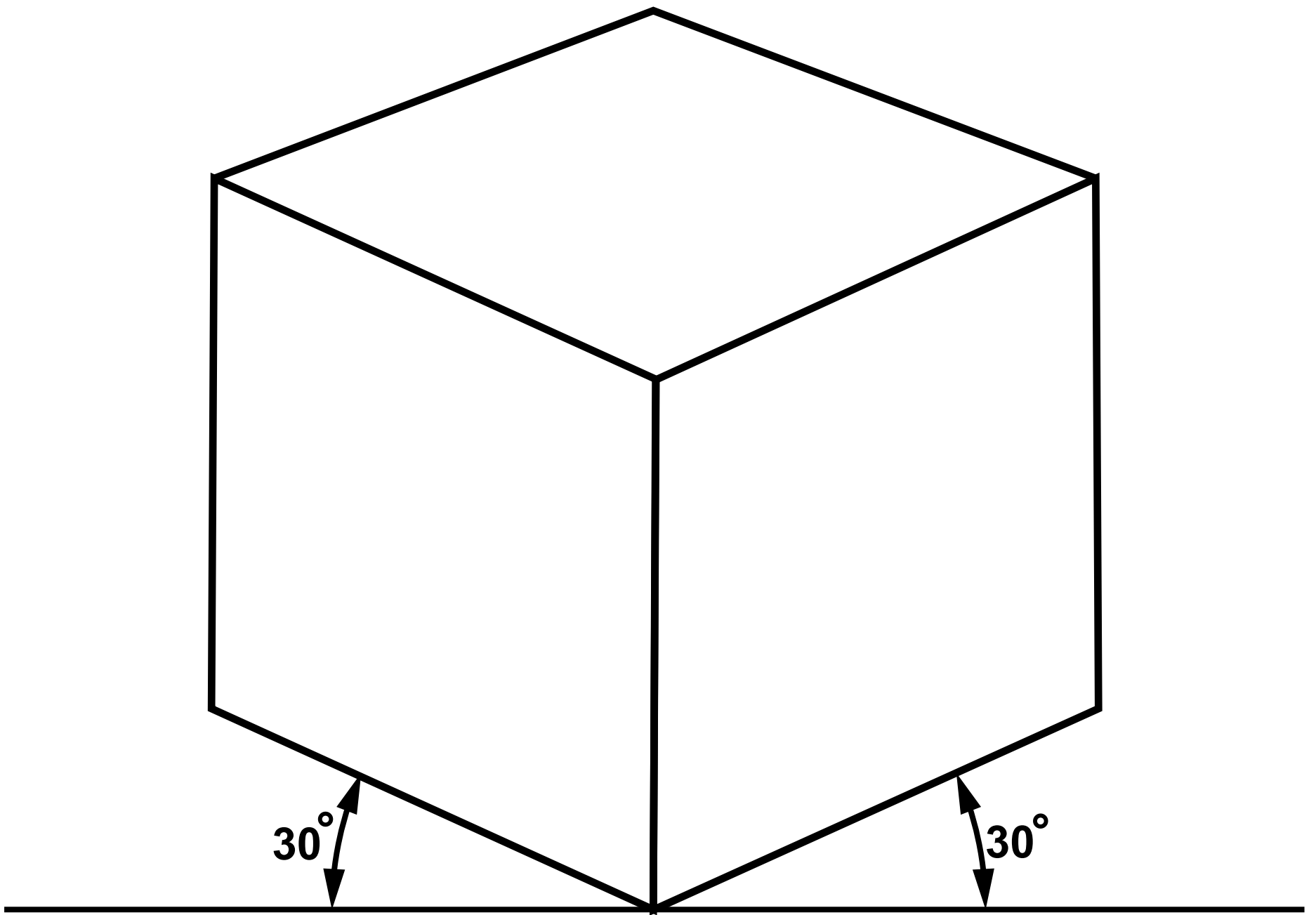
Product	Product material	Property
	Biodegradable plastic shopping bag	Will degrade in soil
	Cedar roof tile	(1) (i) _____
	Cast iron workshop vice	(1) (ii) _____
	Polyester raincoat	(1) (iii) _____
	Solid white board burger package	(1) (iv) _____

FIGURE 3



Question 2 (c)

EACH SQUARE REPRESENTS 10 mm

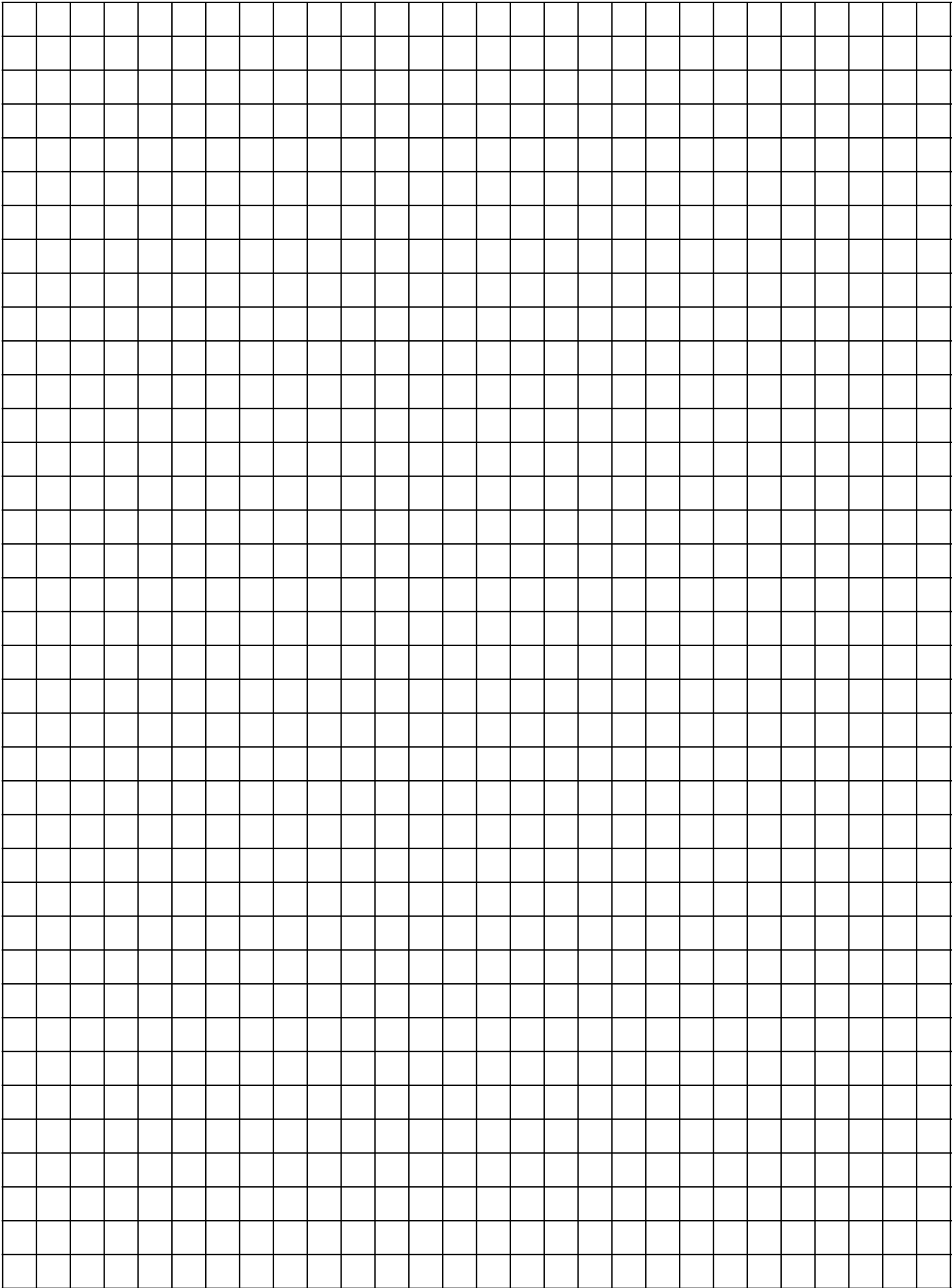


FIGURE 4

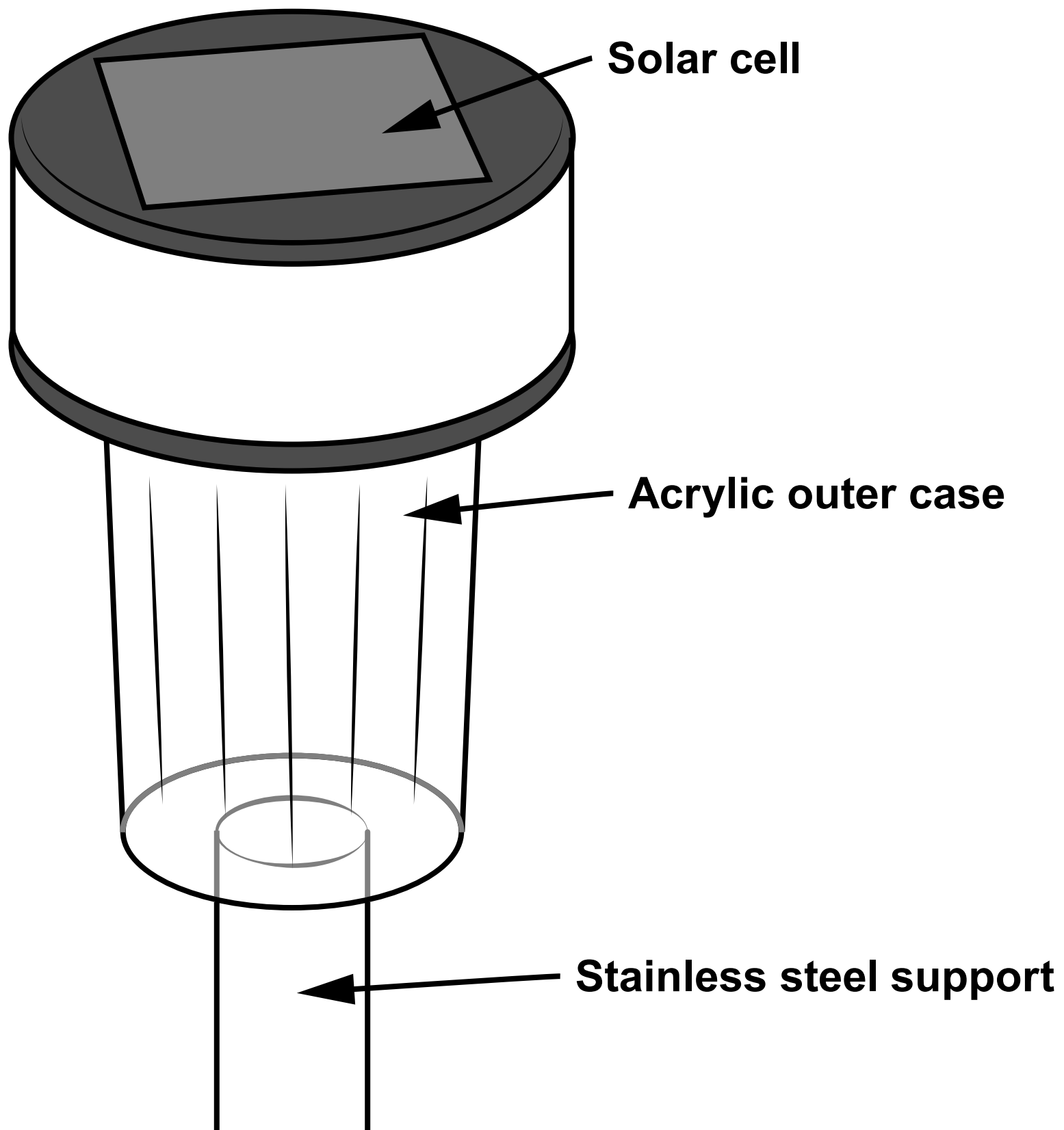


FIGURE 5

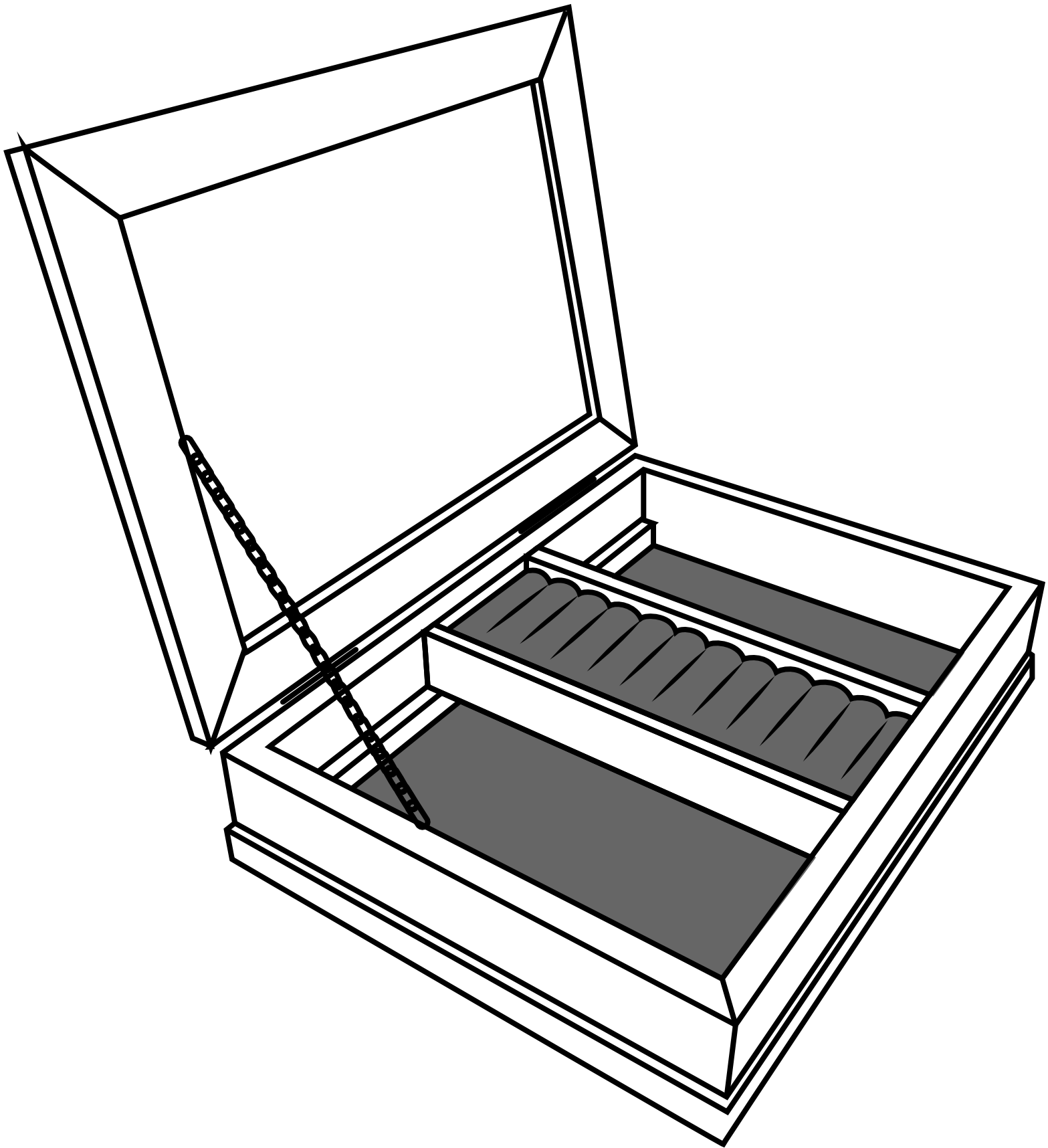


FIGURE 6

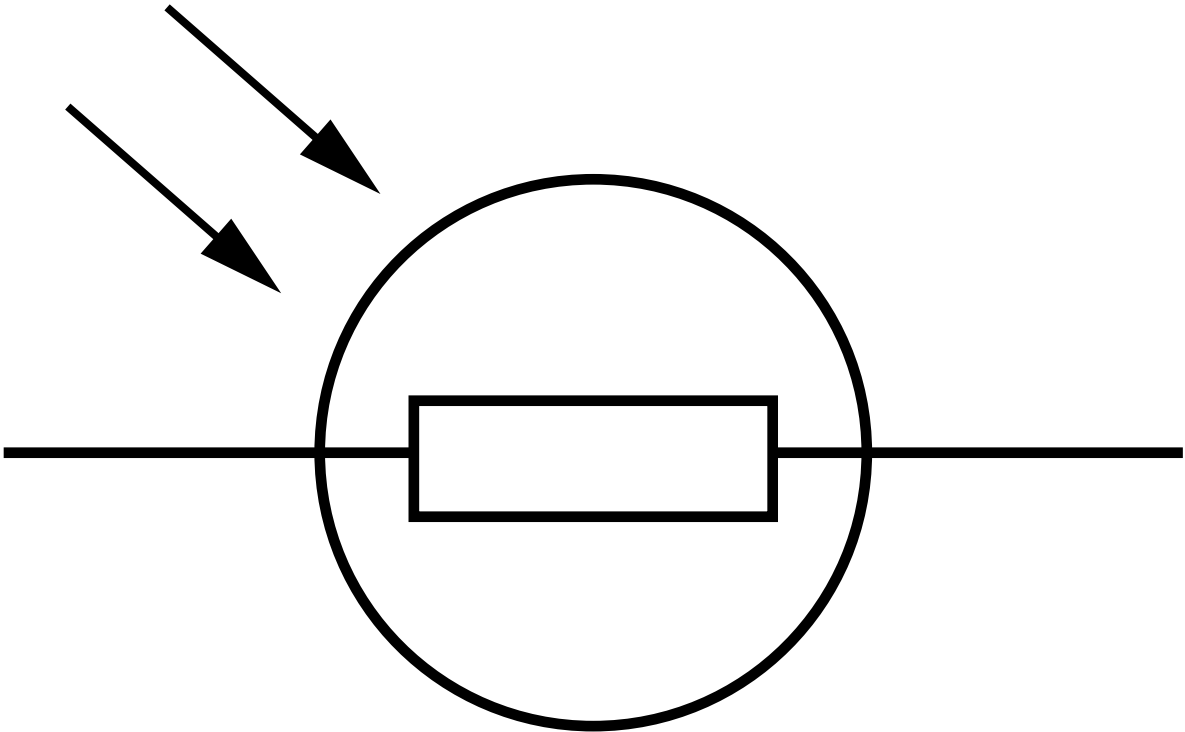
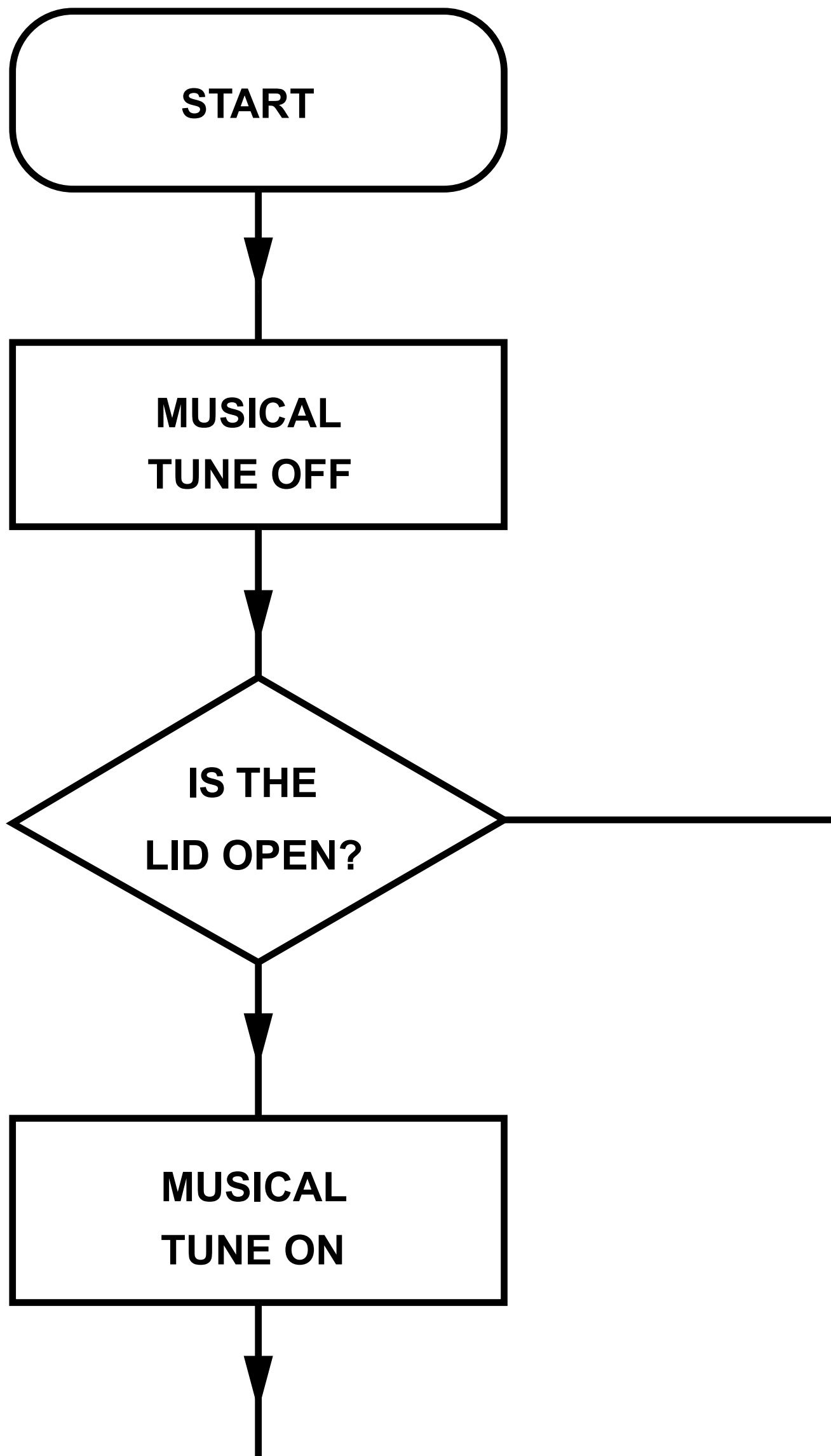


FIGURE 7



Question 4 (b)

Percentage area

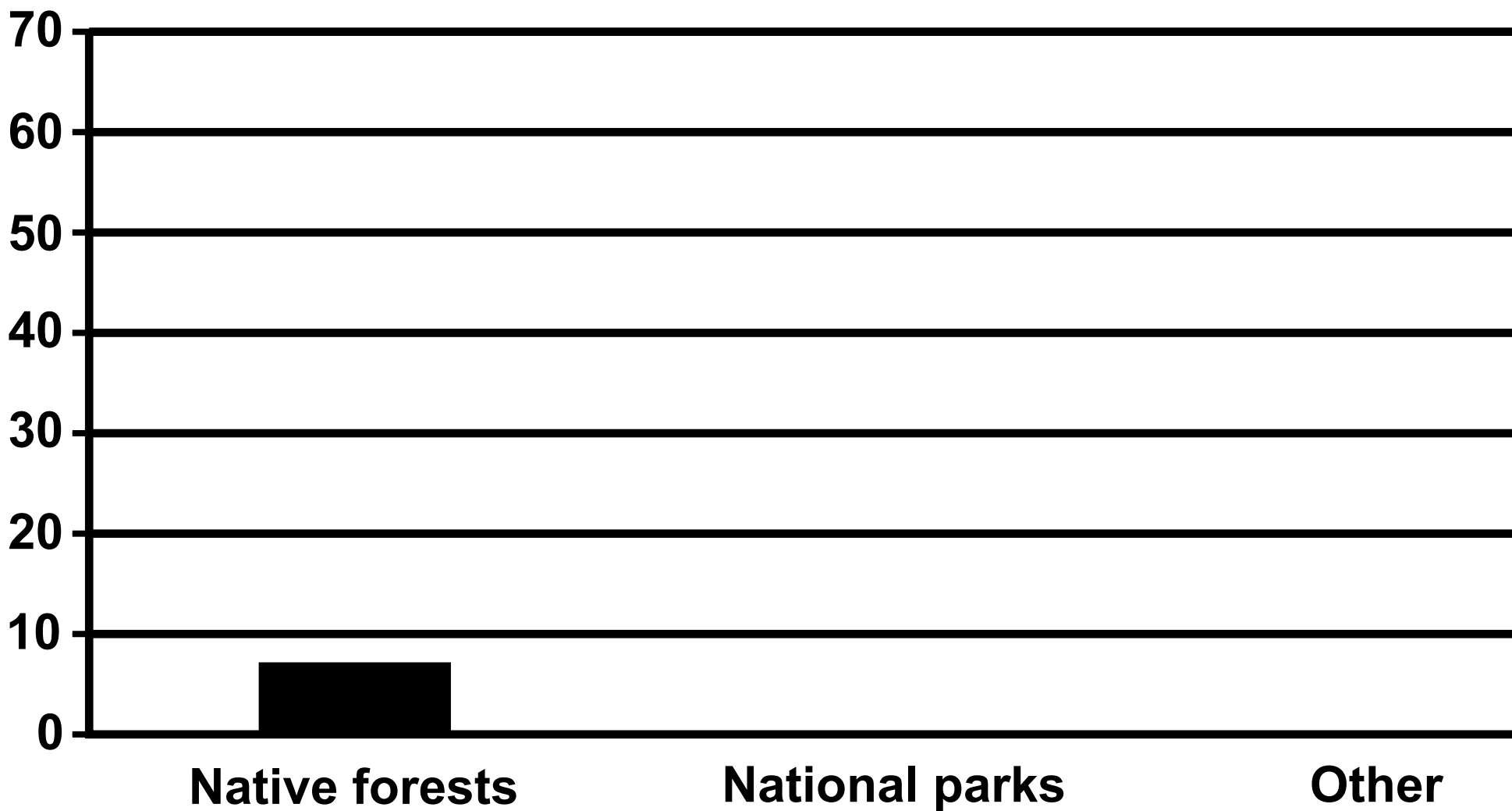
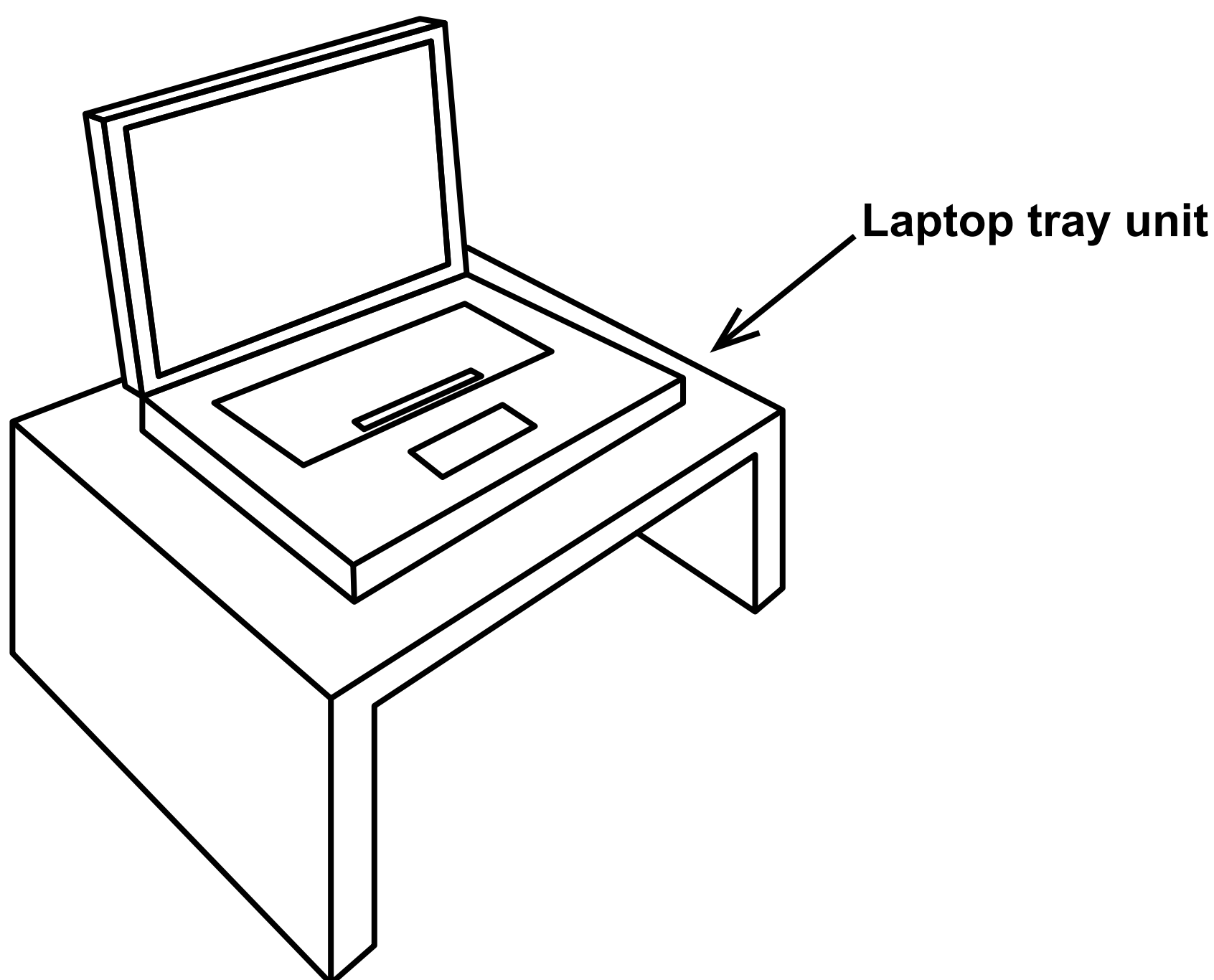
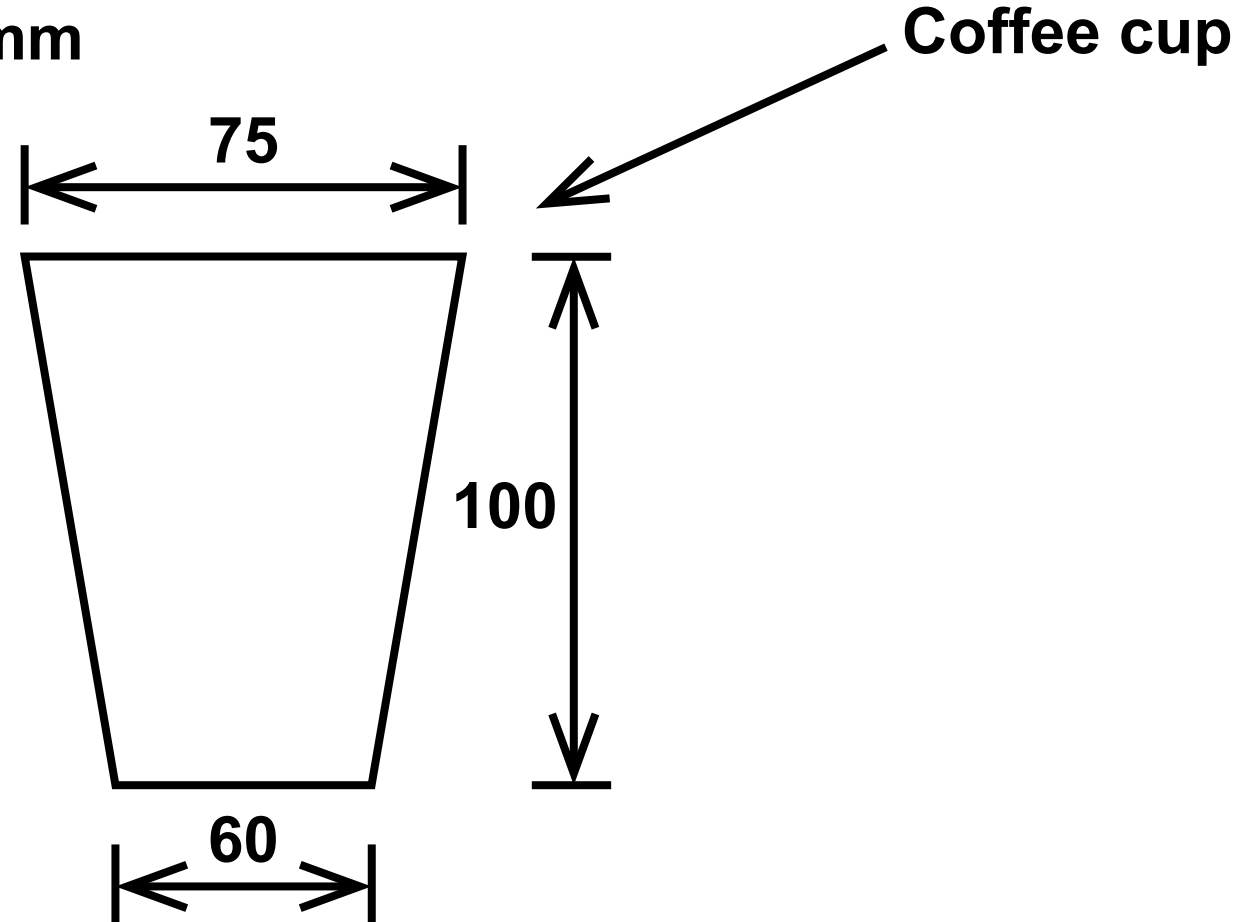


FIGURE 9



Additional information

All dimensions in mm



QUESTION 5 (a)

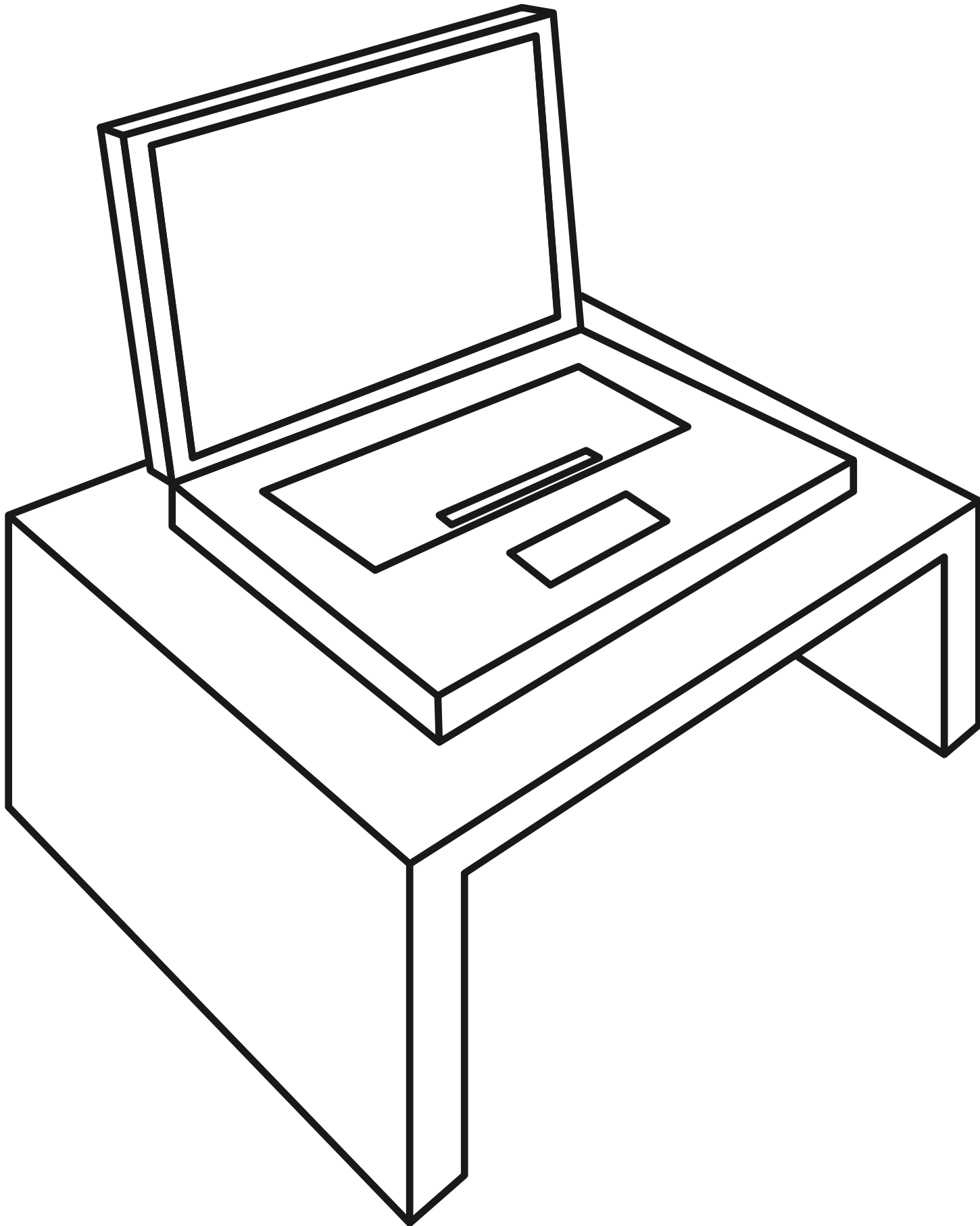


FIGURE 10

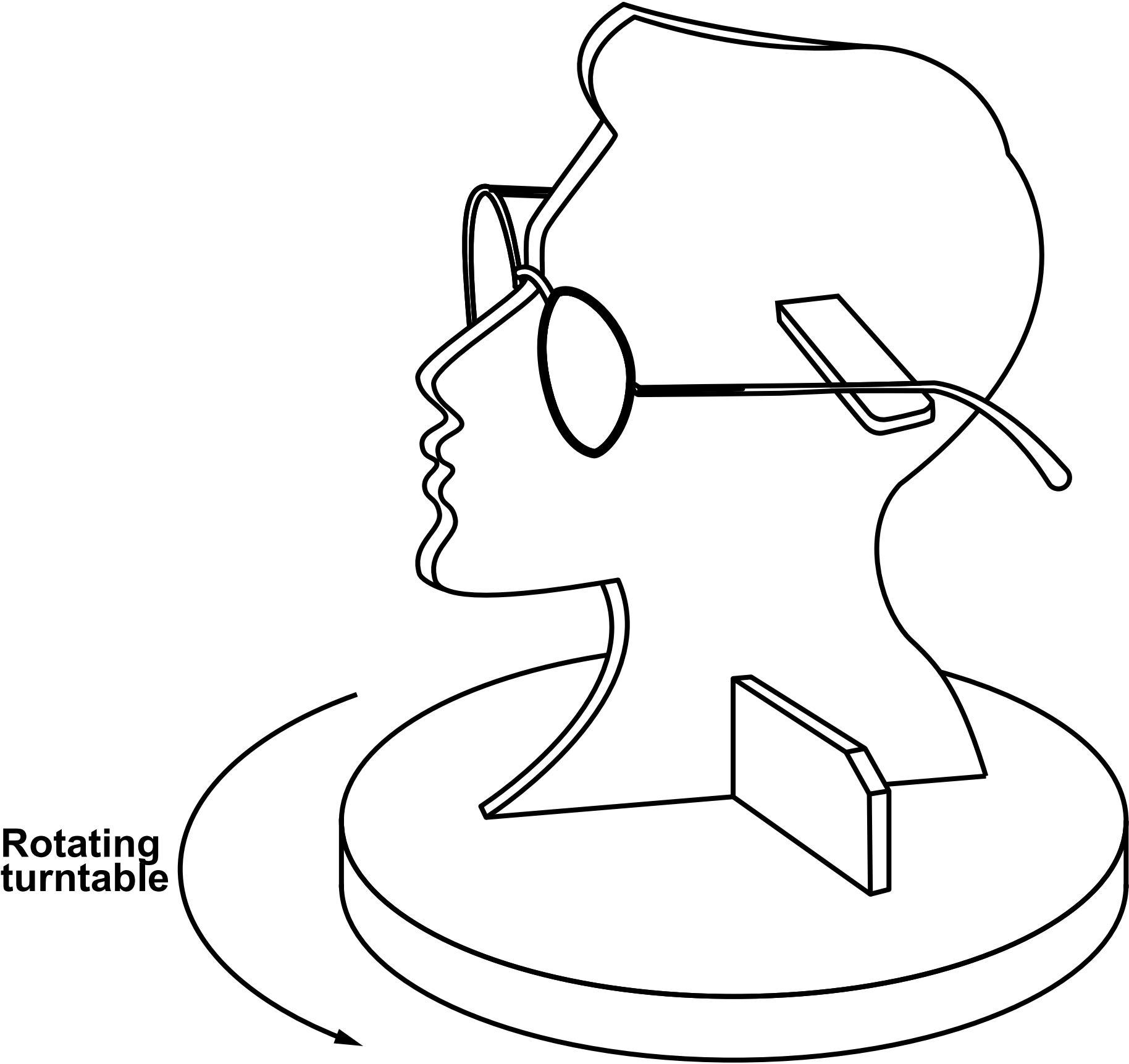
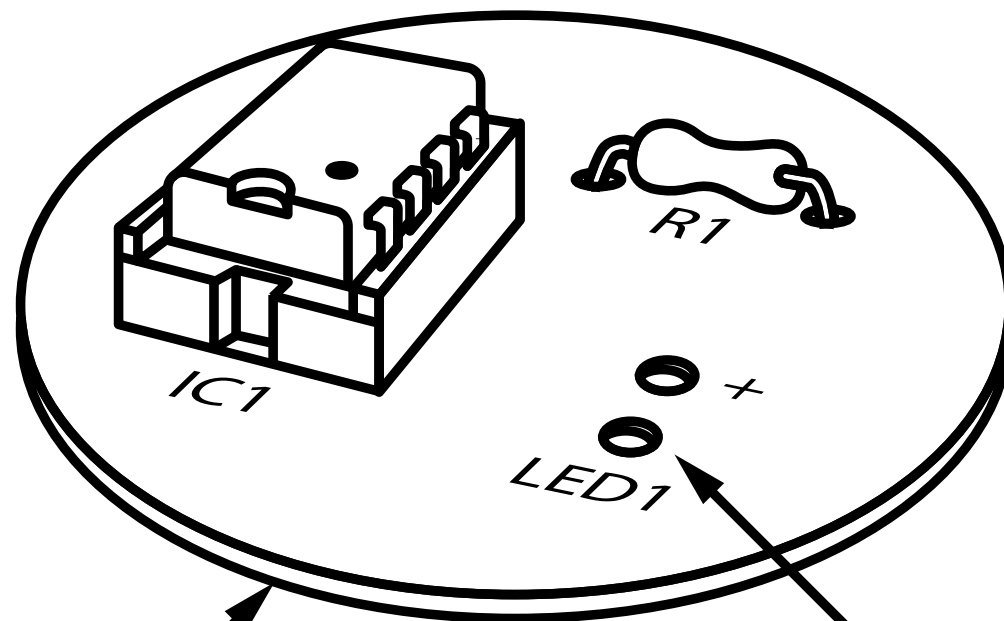


FIGURE 12



PCB with copper pads and
tracks underneath

Holes for LED

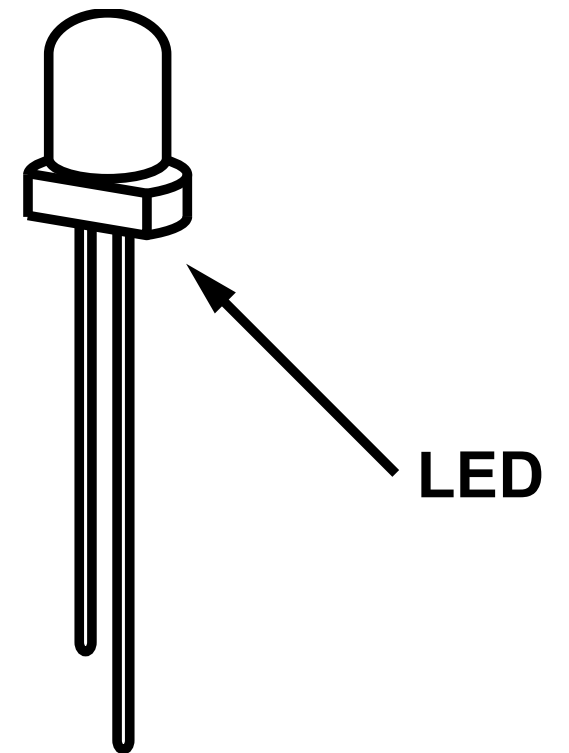


FIGURE 13

All dimensions in mm

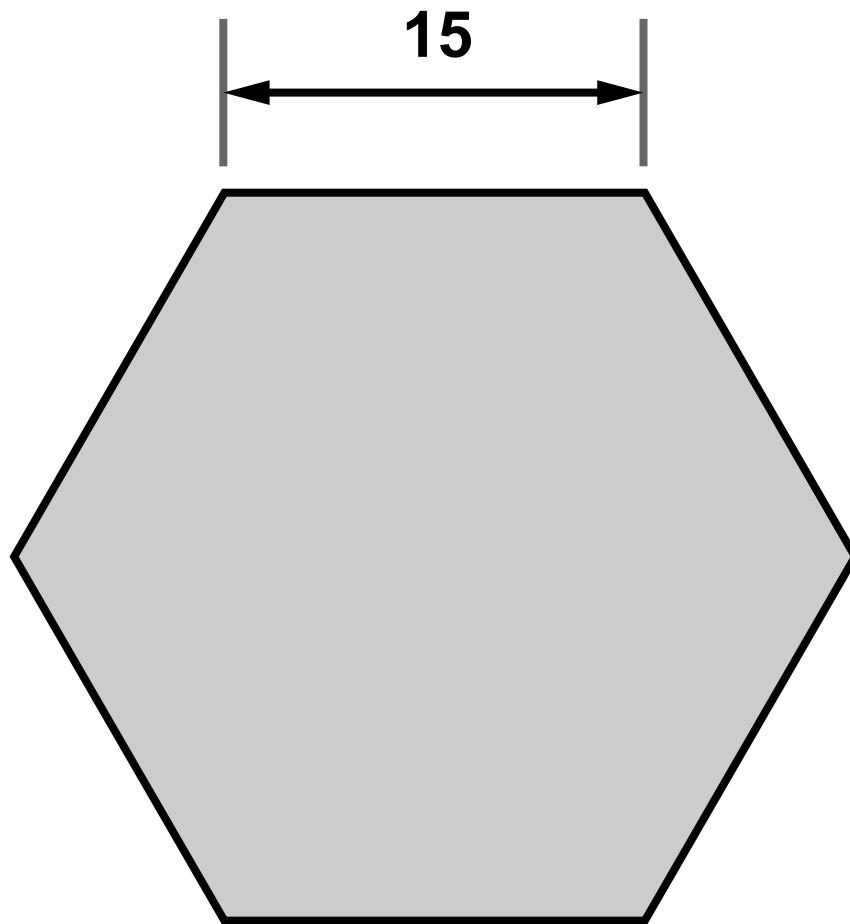
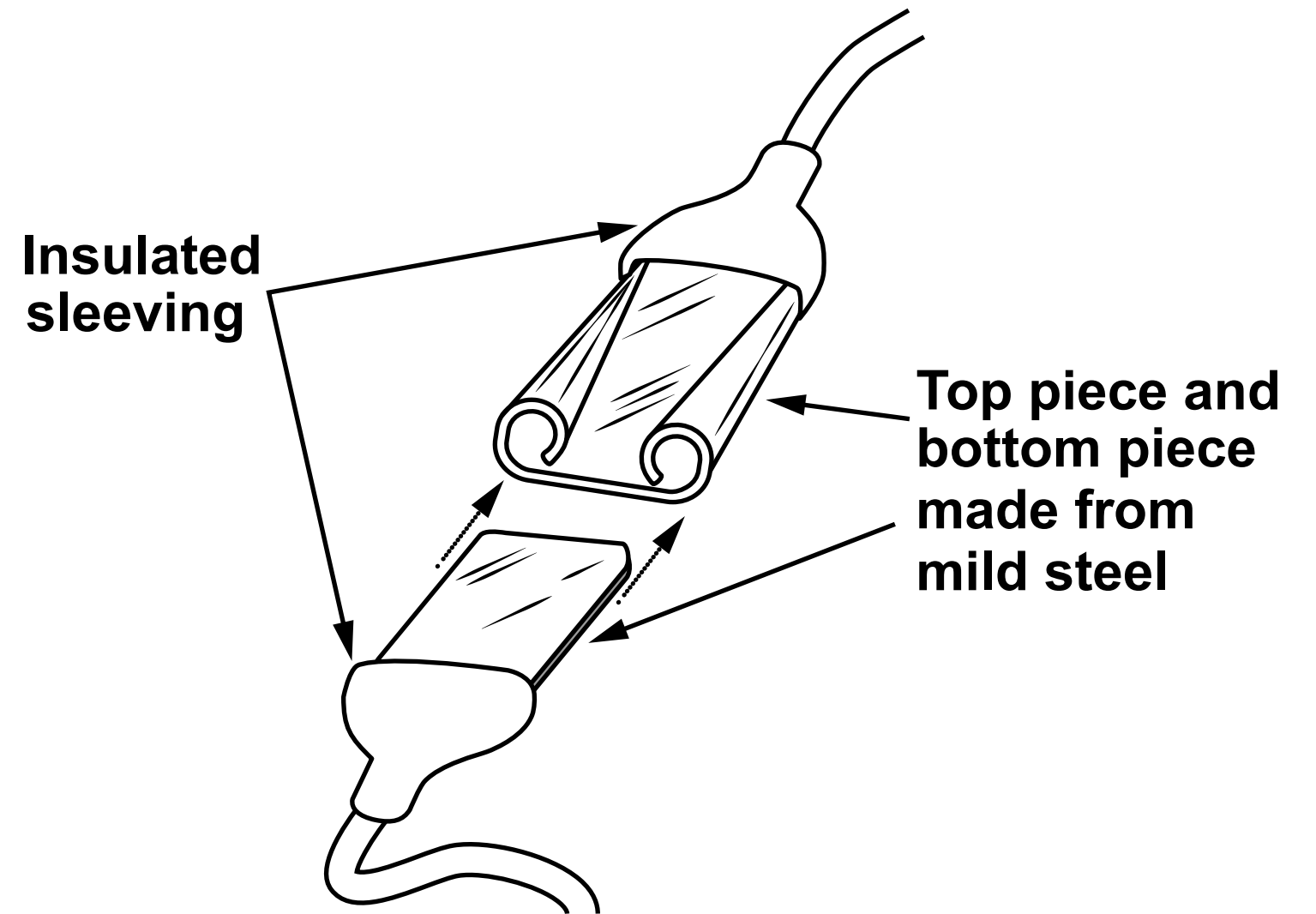
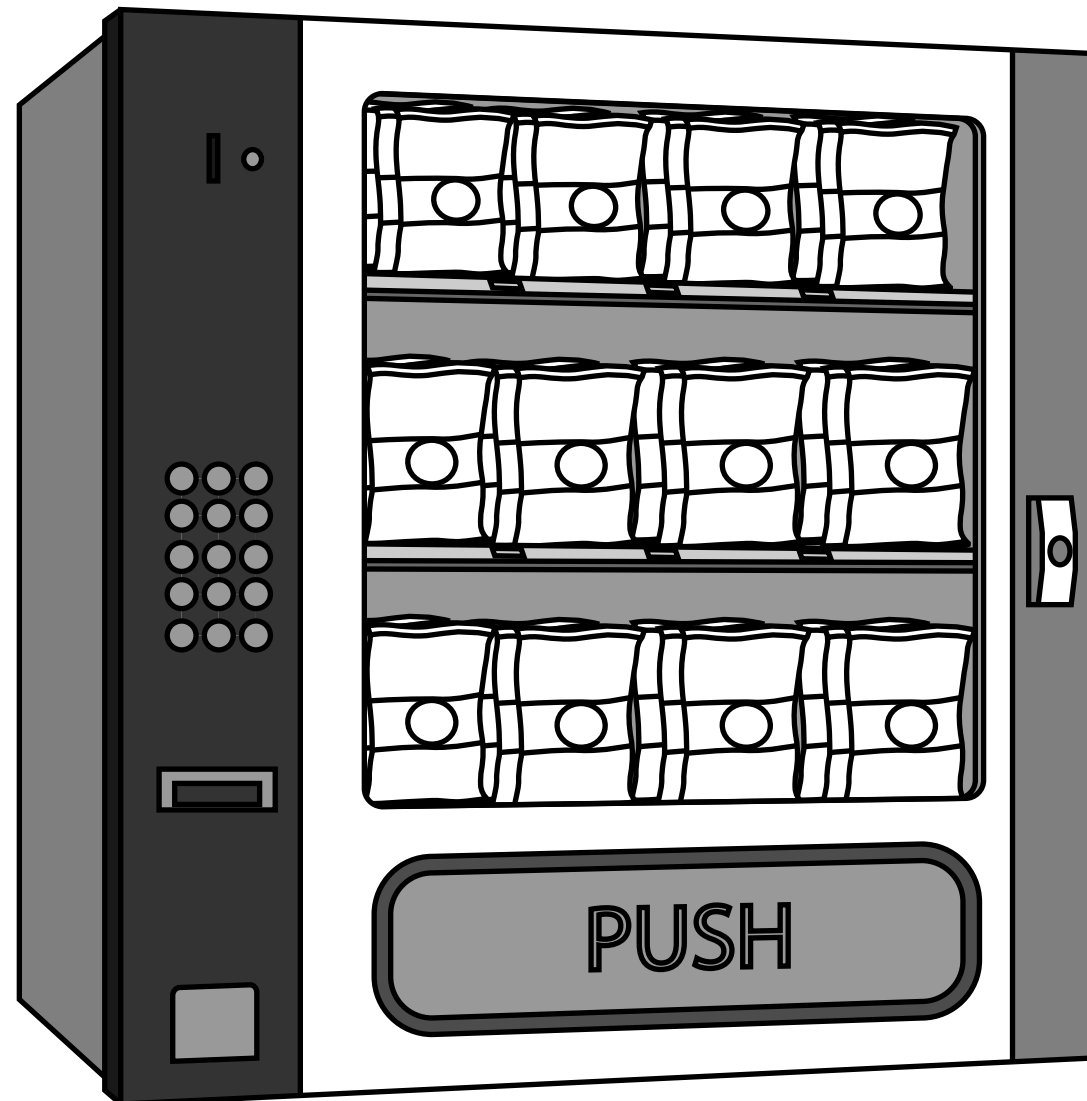


FIGURE 14



Close-up of the large connector

FIGURE 15

**All dimensions in mm
Diagram not to scale**

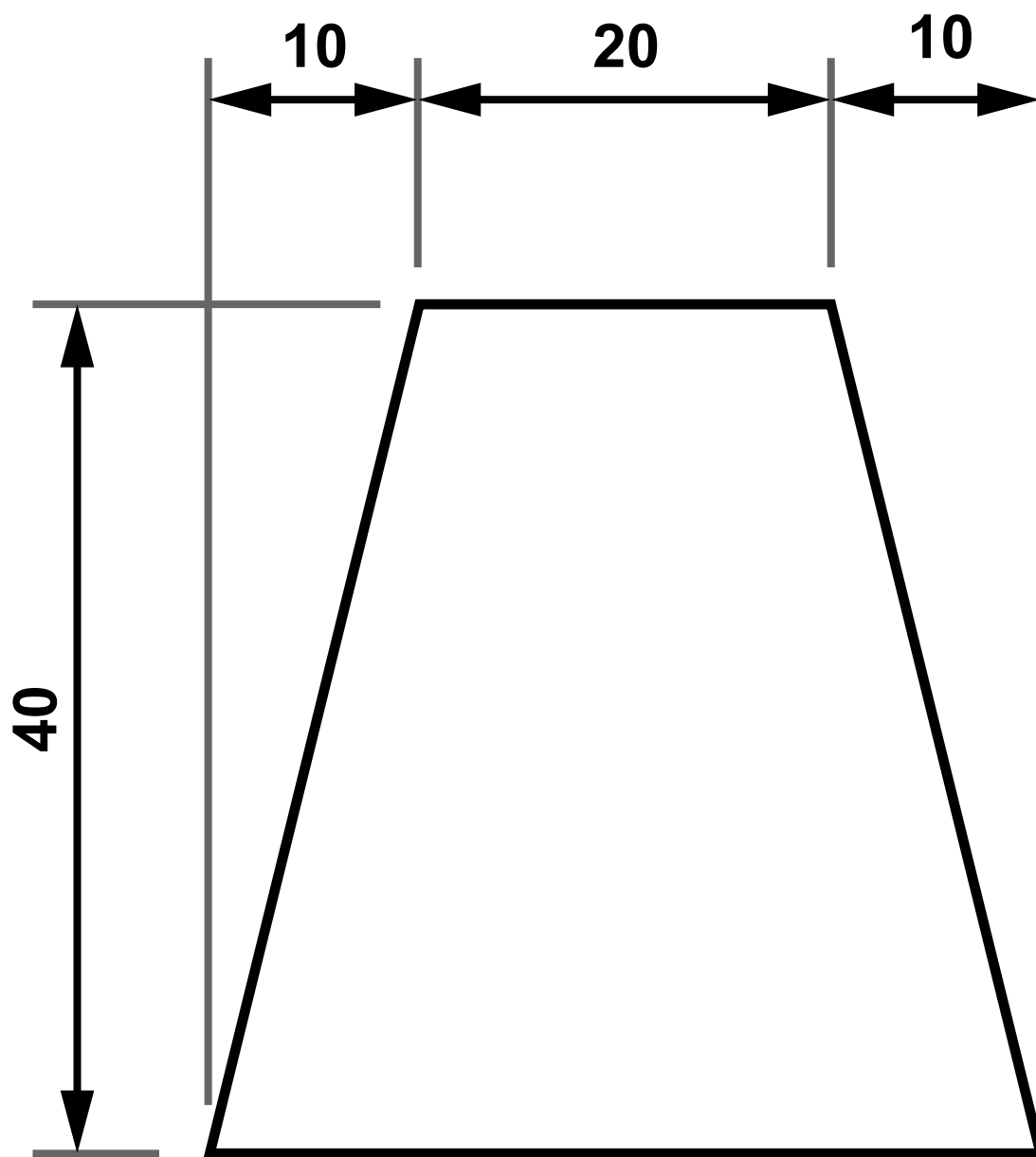


FIGURE 16

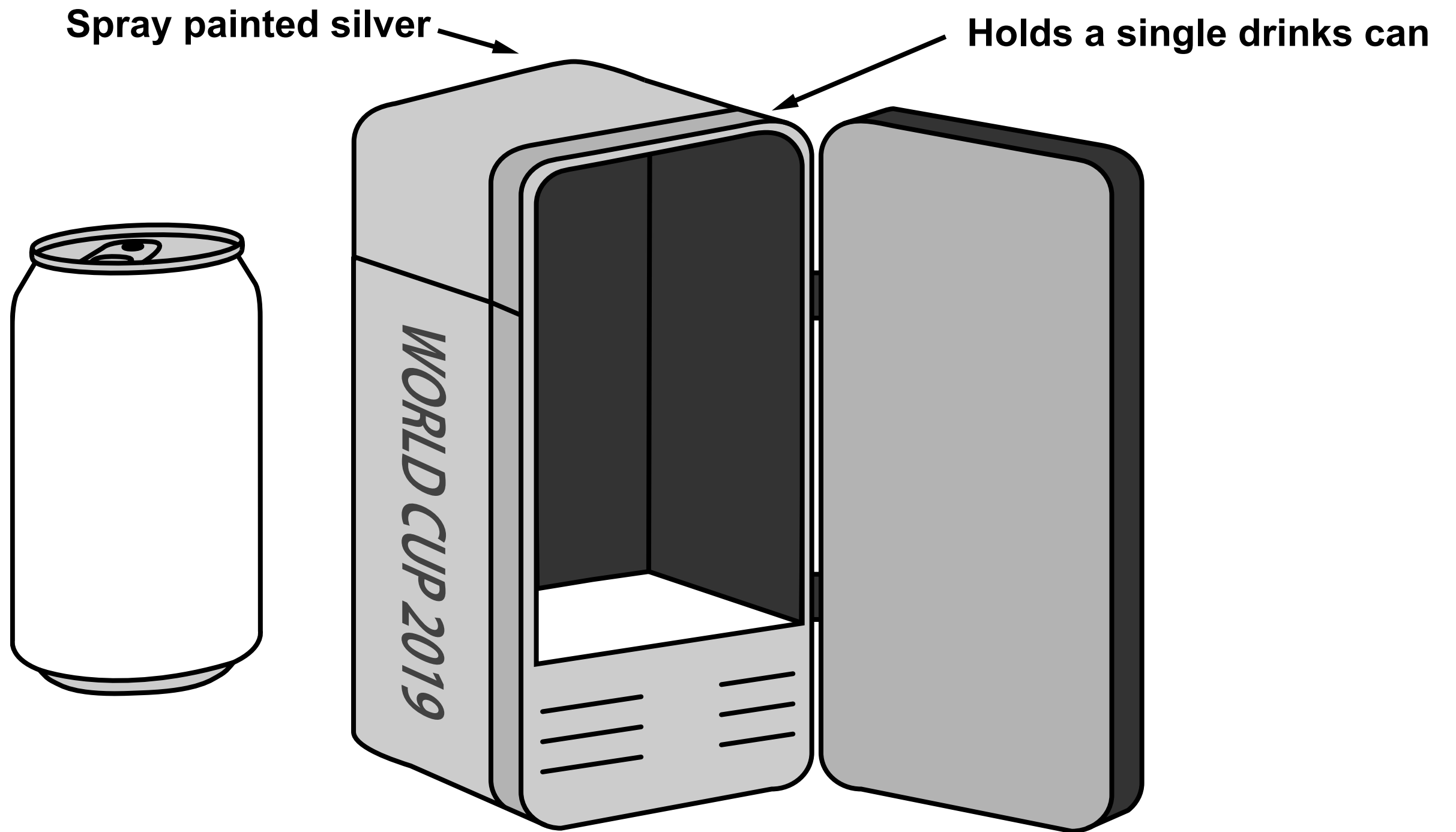


FIGURE 17

SCALE OF PRODUCTION	Mass
MATERIAL/COMPONENTS	HIPS, electronic circuit
MATERIAL SOURCE	Crude oil from Saudi Arabia
SIZE	220mm x 100mm x 100mm
SURFACE FINISH	Spray painted