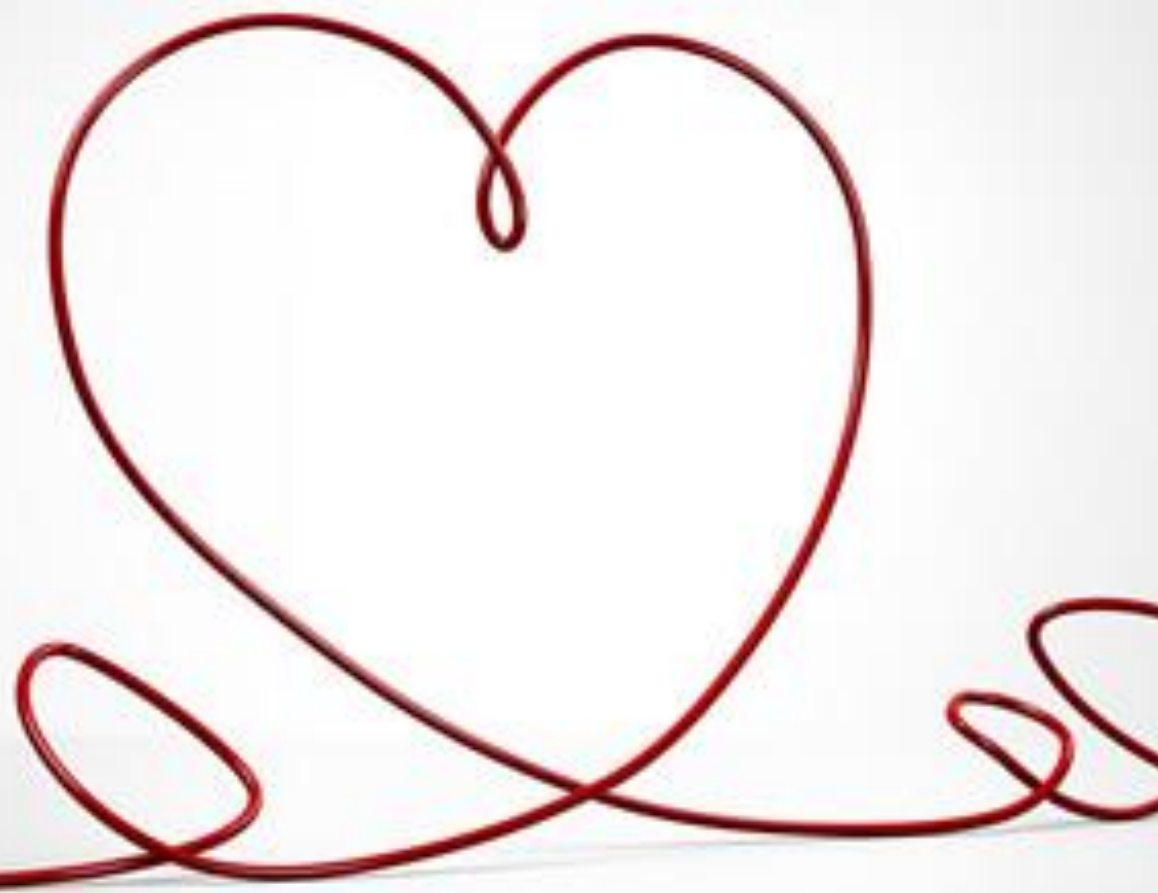


**SOLUTIONS PRE-INTERMEDIATE 5**  
**UNIT 9: SCIENCE**  
**9A**

PEGAH BAHOJB GHASEMI



**A PERSON WHO LOVES TECHNOLOGY.**



**A PERSON WHO LOVES TECHNOLOGY.**  
**TECHNOPHILE**











# GADGET

A small machine or piece of electronic equipment that has a particular purpose.



**WHAT IS THE  
CRAZIEST  
GADGET YOU'VE  
HEARD OF?**

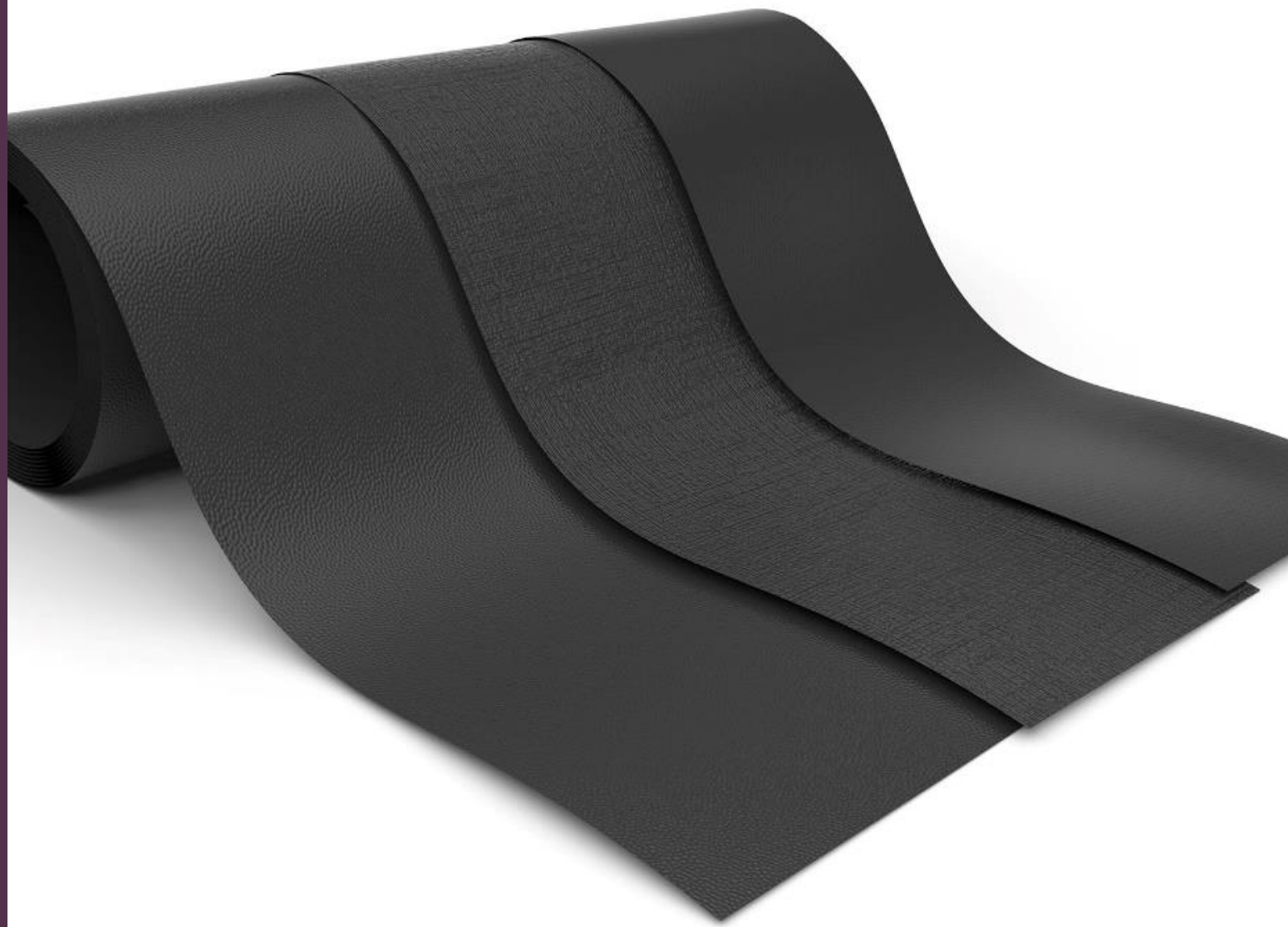




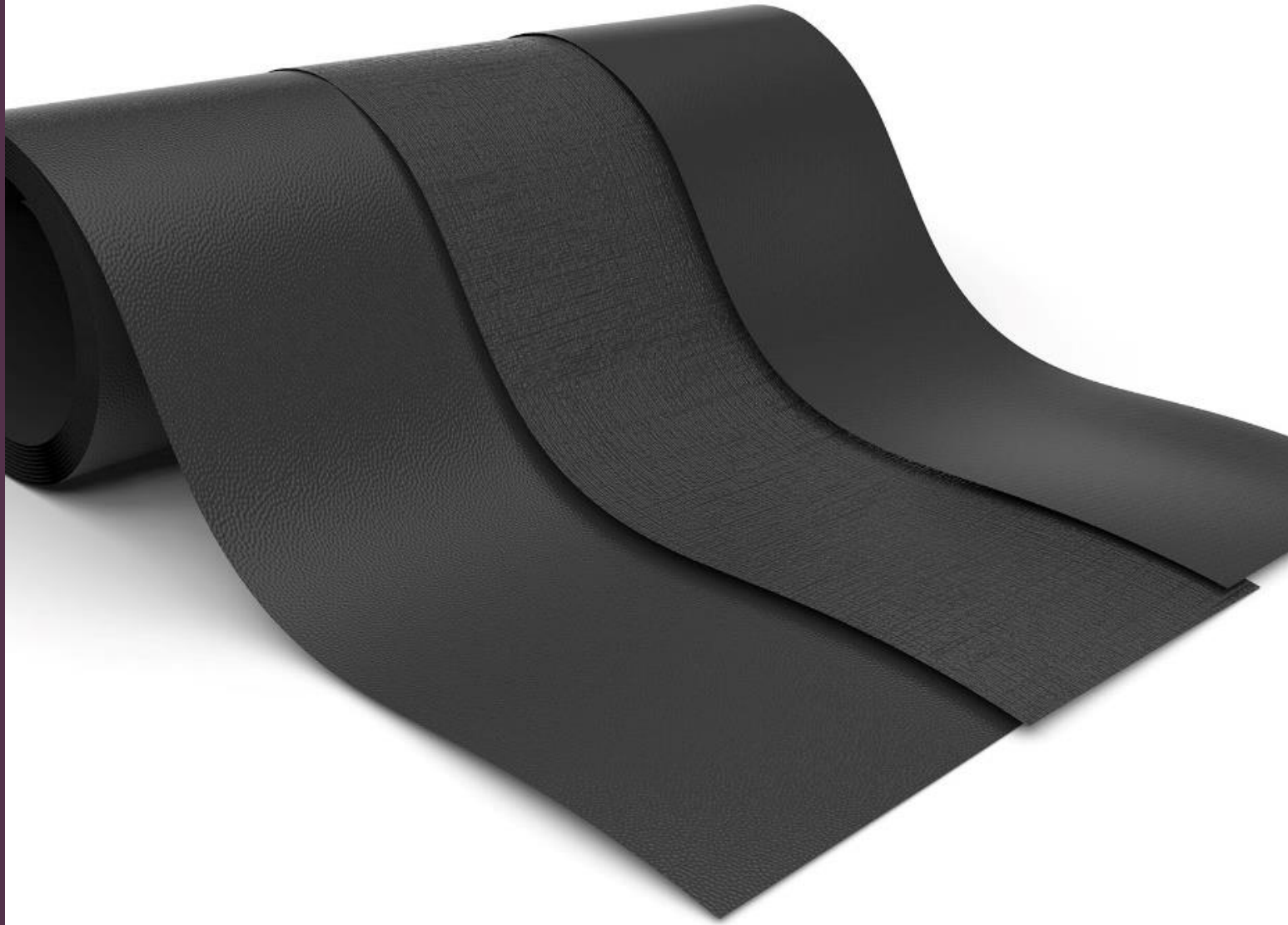
**1 SPEAKING** Work in pairs. Look at the photos of gadgets (A–D). Do you think they are good or bad ideas? Which is your favourite and why?



**WHAT ARE THE  
MATERIALS USED  
TO MAKE  
GADGETS AND  
OTHER THINGS?**







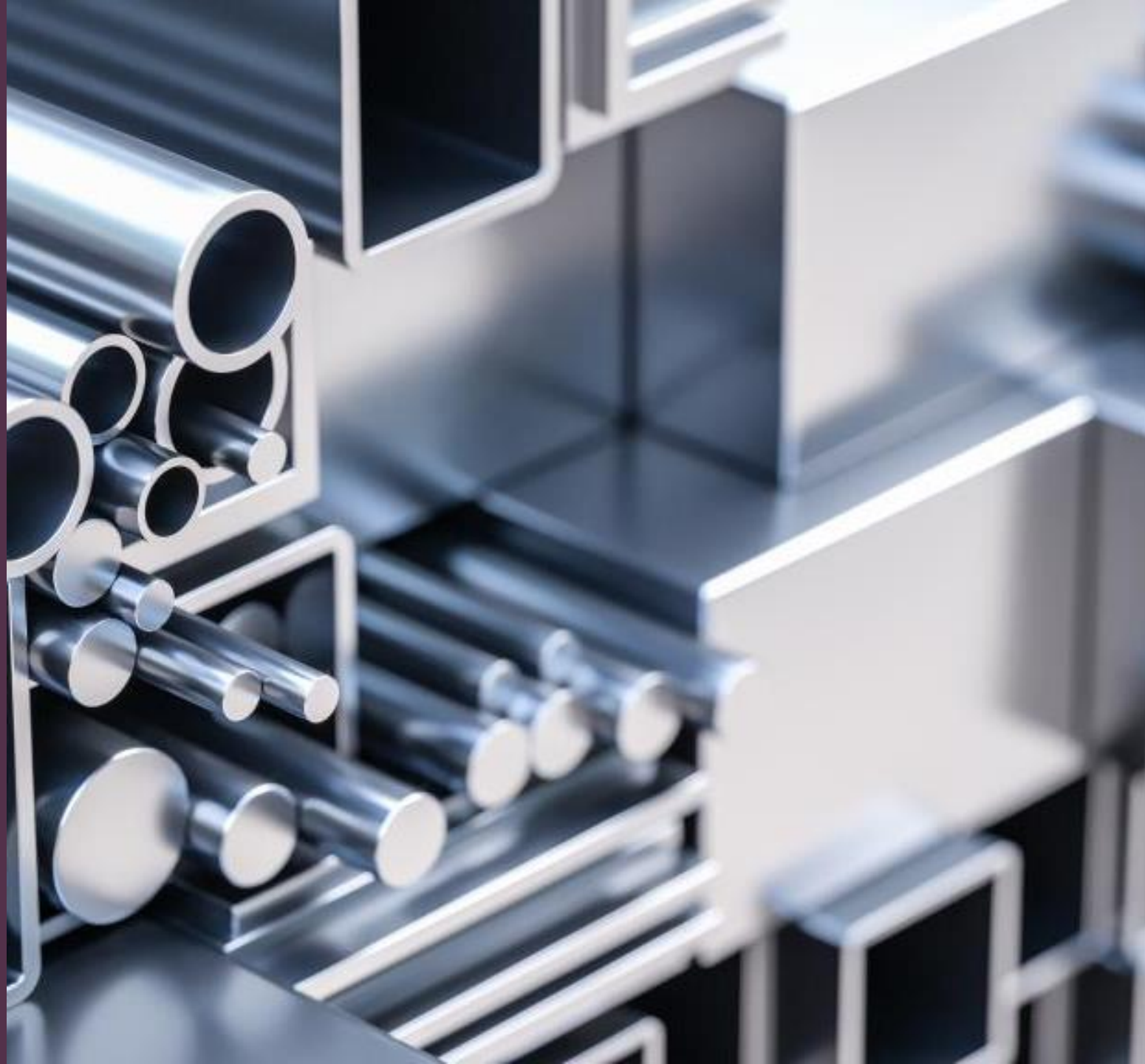
RUBBER

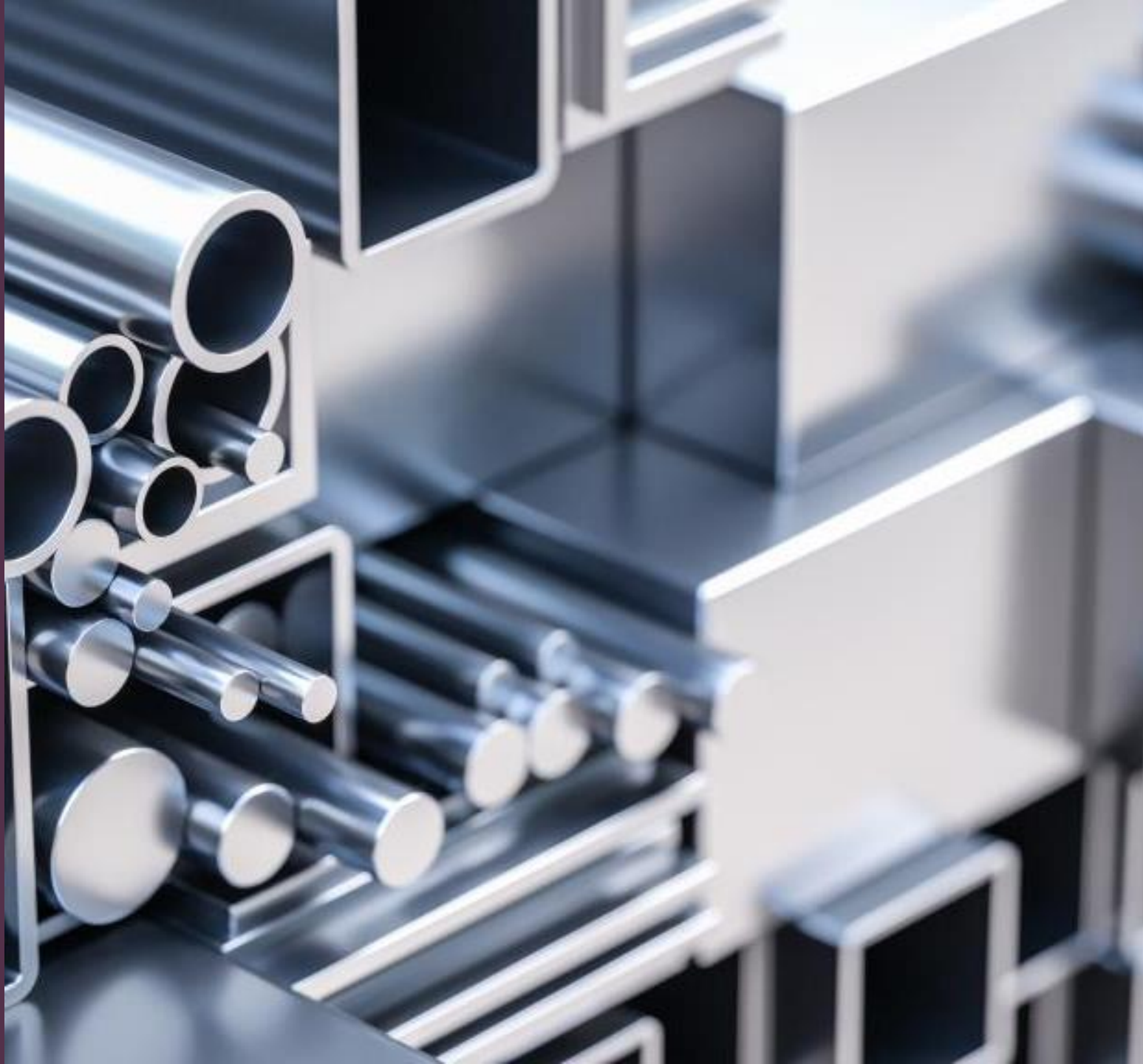






CERAMIC





ALUMINUM









CONCRETE







COPPER









CARDBOARD









IRON









LEATHER










NYLON

2  3.09 **VOCABULARY** Check the meaning of the words below. Then listen and repeat. Which materials do you think are used to make the gadgets in exercise 1?

**Materials** aluminium cardboard ceramic concrete copper glass gold  
iron leather nylon paper plastic rubber steel stone wood



3 Do the quiz in pairs. Then check your answers at the bottom of the page.

1

During World War II (1939–45), scientists used dandelions (see photo) to make  
**a** cardboard. **b** paper. **c** plastic. **d** rubber.



2

The first bicycles had wheels made of  
**a** wood with iron tyres. **b** iron with rubber tyres.  
**c** iron with wooden tyres.

3

Which one of these materials did the Ancient Romans not have?  
**a** ceramic **b** concrete **c** glass **d** paper

4

Are these sentences true or false?  
**a** All types of wood float in water. **b** No type of stone floats in water.

5

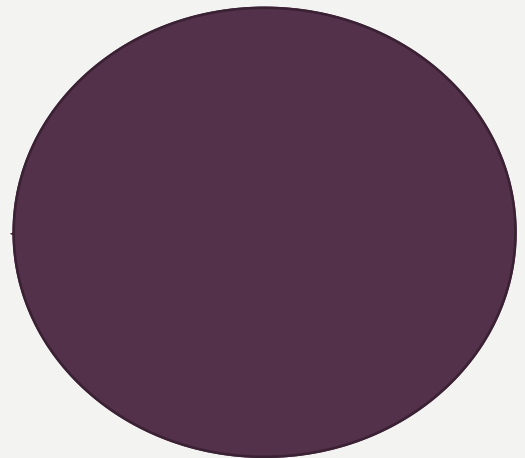
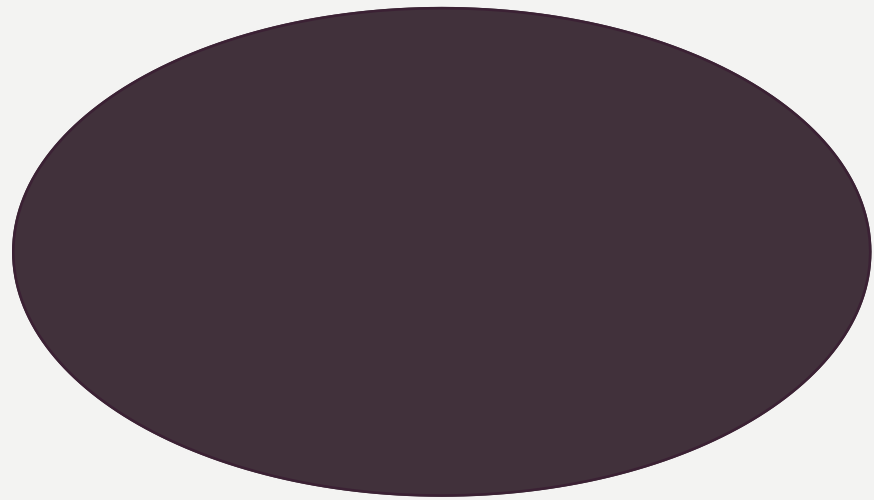
The earliest use of nylon was in  
**a** women's clothing. **b** toothbrushes. **c** parachutes.  
**d** guitar strings.

6

Which of these metals is the hardest? Which is the heaviest?  
**a** aluminium **b** copper **c** gold **d** iron **e** steel

4 **SPEAKING** Look around the classroom. What things are made of the materials in exercise 2? Think about furniture, the building, clothes and possessions.

The windows are made of aluminium and glass. This book ...





- 5 **VOCABULARY** Look at the language for describing technology. Complete the phrases with the words below.

allows base handle mains mostly

### Describing technology

**Shape** straight curved rectangular spherical square  
triangular circular

### Power

It's <sup>1</sup> \_\_\_\_\_ powered / battery powered /  
solar powered.

It's cordless / rechargeable.

### Construction

It's made <sup>2</sup> \_\_\_\_\_ of glass / steel, etc.


It's got wheels / a long <sup>3</sup> \_\_\_\_\_ /  
a triangular <sup>4</sup> \_\_\_\_\_ / a square lid, etc.

### Use

You use it to ...

It <sup>5</sup> \_\_\_\_\_ you to ...

It prevents you from (+ *-ing*) ...

6  3.10 Listen to the dialogues. Which phrases from exercise 5 do the people use?





**WHAT HAPPENS  
IF YOU HEAT  
THE WATER?**



# WHAT HAPPENS IF YOU HEAT THE WATER?

IF YOU HEAT WATER, IT BOILS.




## **RECYCLE!** zero conditional

We use the zero conditional to talk about causes and effects which are always true.

*If you heat aluminium, it melts.*

*A light comes on if there's no Wi-Fi signal.*

7  3.10 Read the **Recycle!** box. Then listen again. Complete the zero conditional sentences from the dialogues with the correct form of the verbs below.

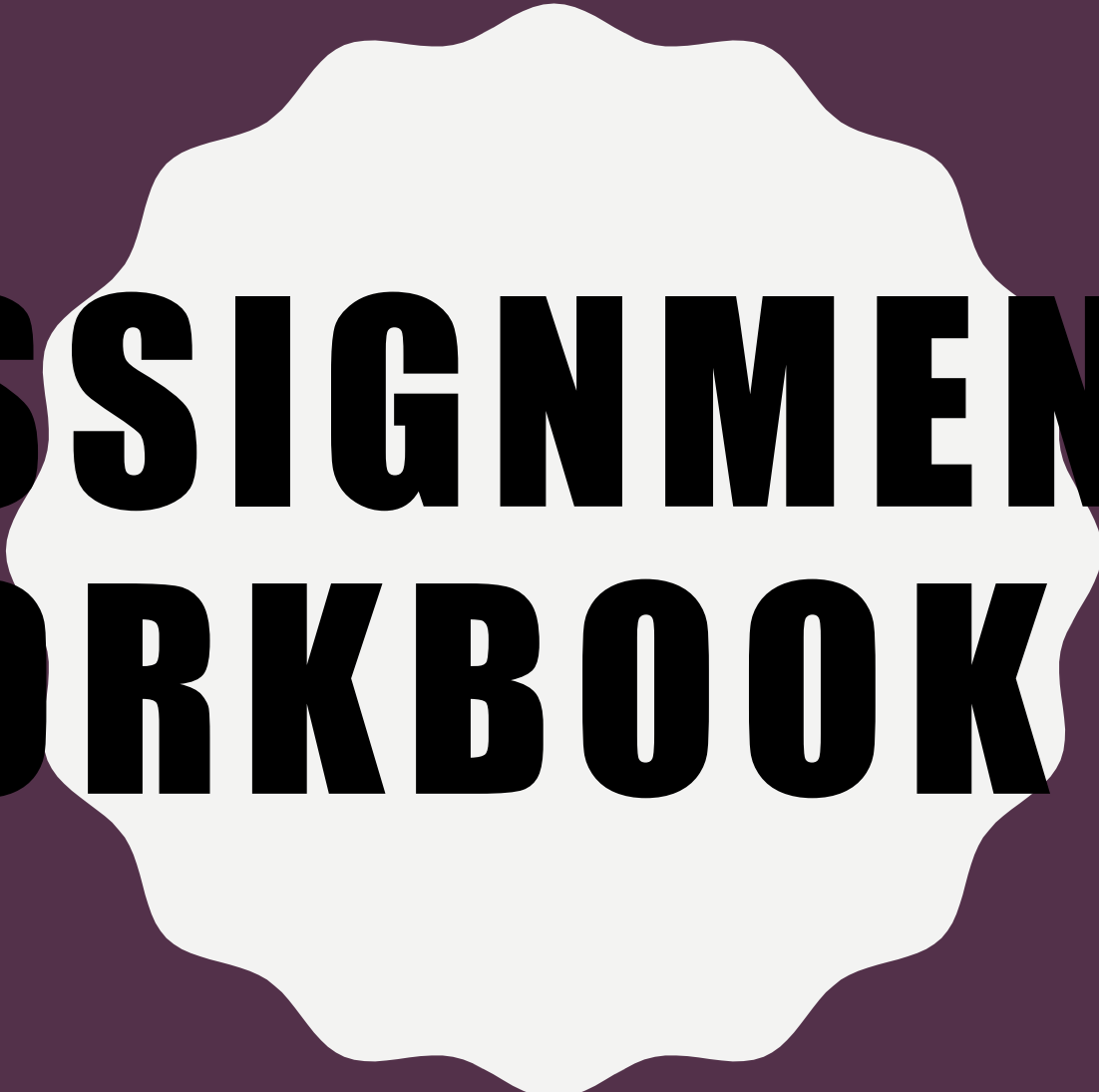
come get go post press

- 1 If you \_\_\_\_\_ this button, the plug appears.
- 2 You don't need to put it away if friends \_\_\_\_\_ to visit.
- 3 If you choose 'share' mode, it automatically \_\_\_\_\_ your workout results on Facebook.
- 4 It \_\_\_\_\_ forward to the next track if you just touch here.
- 5 If you wave your hand once, it \_\_\_\_\_ louder.



**8 SPEAKING** Work in pairs. Think of a gadget and describe it to your partner. Include phrases from exercise 5. Can your partner guess what you are describing?

It's battery powered, I think. It's made of ...



**ASSIGNMENT:  
WORKBOOK 9A**

DEADLINE: THURSDAY