

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

PEGAH BAHOJB GHASEMI

# 9

## Science

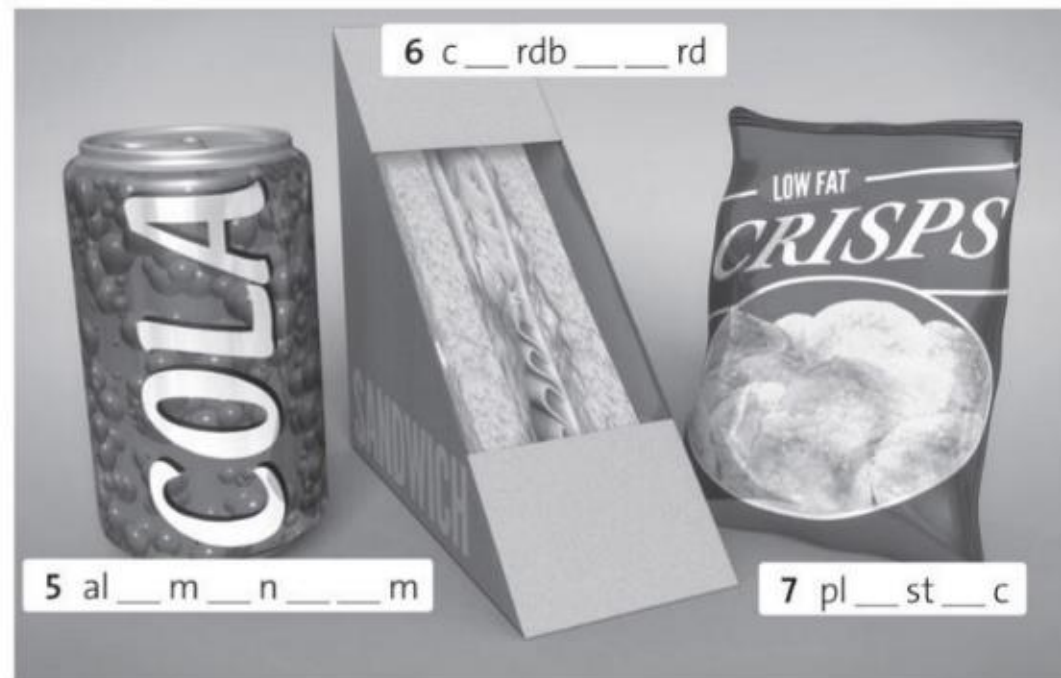
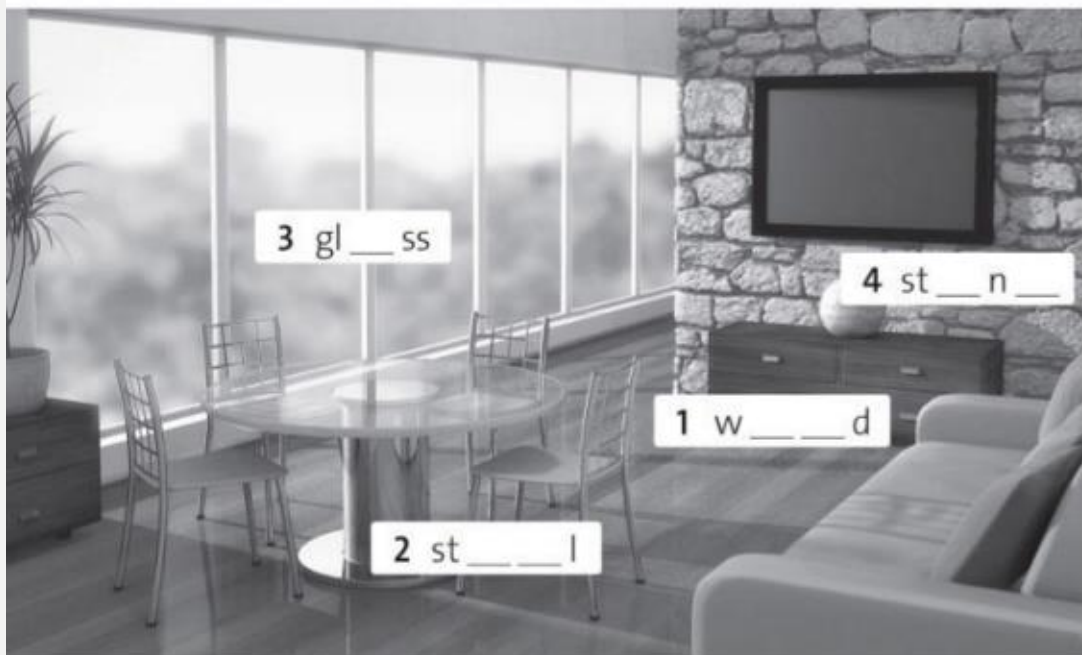
### Vocabulary

#### A

### Gadgets

*I can describe gadgets and talk about their use.*

1 Complete the list of materials using *a, e, i, o* and *u*.



## 2 Complete the sentences with the correct materials.

- 1 Shoes are often made of l\_\_\_\_\_.
- 2 Expensive rings are often made of g\_\_\_\_\_.
- 3 Car tyres are made of r\_\_\_\_\_.
- 4 Cups and plates are often c\_\_\_\_\_ but sometimes they are made of c\_\_\_\_\_.
- 5 Books are made of p\_\_\_\_\_.
- 6 Pavements are often made of c\_\_\_\_\_.
- 7 Gates and fences are sometimes made of i\_\_\_\_\_.
- 8 Tents and backpacks are usually made of n\_\_\_\_\_.
- 9 In the past, coins were often made of c\_\_\_\_\_.

**3** Answer the questions with the material words from exercises 1 and 2. Use each word only once.

1 Which of the materials come from trees?

*paper* \_\_\_\_\_

\_\_\_\_\_

2 Which of the materials are metals?

\_\_\_\_\_

\_\_\_\_\_

3 Which material is made from part of an animal?

\_\_\_\_\_

4 Which very hard material do we find in the ground?

\_\_\_\_\_

5 Which man-made materials do we make from oil?

\_\_\_\_\_

6 Which materials do we make from other materials which we find in the ground?

\_\_\_\_\_

4 Match the words below with the diagrams.

circular curved rectangular spherical  
square straight triangular

1



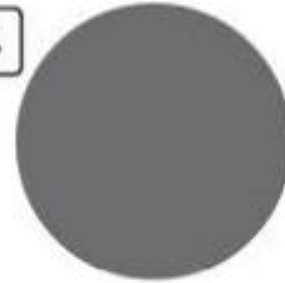
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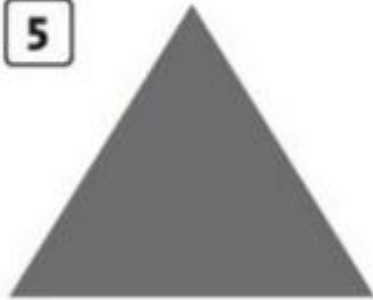
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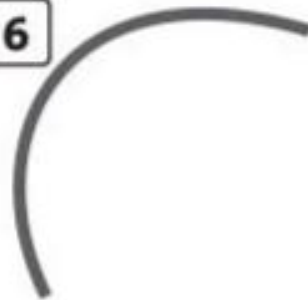
4



5



6



7



1 \_\_\_\_\_

2 \_\_\_\_\_


3 \_\_\_\_\_

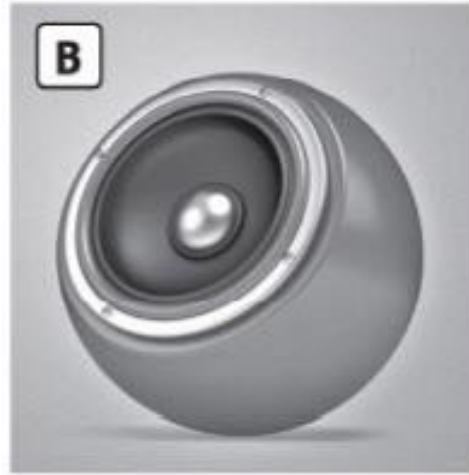
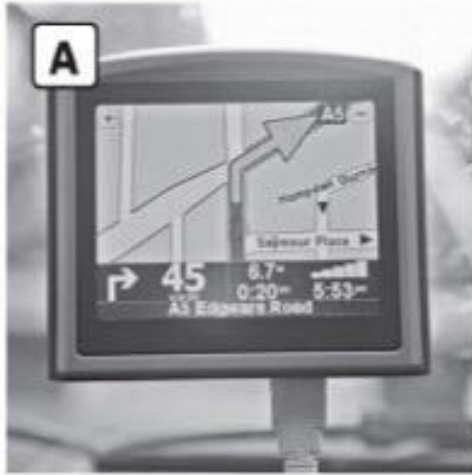
4 \_\_\_\_\_

5 \_\_\_\_\_

6 \_\_\_\_\_

7 \_\_\_\_\_

5  2.13 Listen to the sentences and match the objects to the descriptions. Write the correct letter: A, B or C.



- 1 \_\_\_\_\_
- 2 \_\_\_\_\_
- 3 \_\_\_\_\_
- 4 \_\_\_\_\_
- 5 \_\_\_\_\_
- 6 \_\_\_\_\_
- 7 \_\_\_\_\_



**WHY ARE MOBILE  
PHONES REALLY  
IMPORTANT  
THESE DAYS?**









1 **SPEAKING** Work in pairs. How many different things do people use mobile phones for? Think of as many as you can in two minutes.

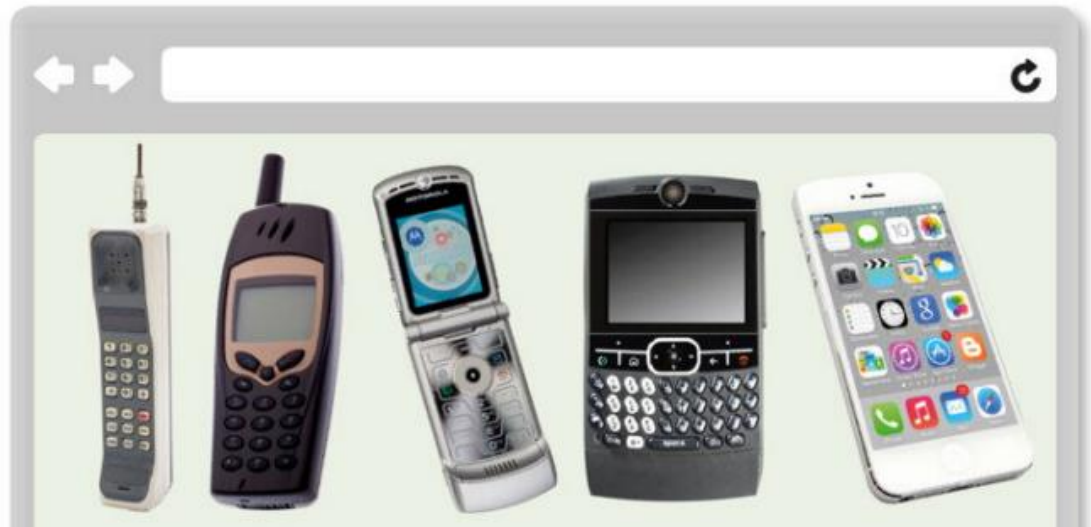






**MARTIN  
COOPER**

2 Read the text. What happened in 1973, 1986, 1992 and 1997?



## A brief history of mobile phones

- » Nearly a billion mobile phones **are sold** every year worldwide.
- » The first mobile phone call **was made** in 1973 by Martin Cooper. He was an inventor for the company Motorola. The call was answered by the boss of a rival company, who was not happy to hear that he had lost the race.
- » The first mobiles were powered by batteries that weighed nearly a kilo.
- » Voicemail was added to phones in 1986. Internet access was not added for another ten years.
- » The first text message was sent in December 1992. It was not typed on the phone itself but on a computer.
- » The camera phone was invented in 1997 by Philippe Kahn. Photos of his newborn daughter were shared via his phone with 2,000 friends and family.
- » In the UK, a mobile phone is stolen every three minutes.
- » What are mobile phones used for the most?  
It isn't texting or calling – it's checking the time!



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WHAT IS THE TENSE OF THIS SENTENCE?



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WHO SOLD THE MOBILE PHONES?

IS THE DOER OF THIS ACTION IN THE SENTENCE?

WHAT IS THE TENSE OF THIS SENTENCE?

WHAT IS THE STRUCTURE OF IT?

3 Study the first two sentences of the text in exercise 2. Then complete the **Learn this!** box.

**LEARN THIS!** The present and past passive



- a** The passive is formed with the correct form of the verb  
1 \_\_\_\_\_ and the past participle.
- b** We use the 2 \_\_\_\_\_ simple of *be* for the present passive  
and the 3 \_\_\_\_\_ simple of *be* for the past passive.
- c** If we want to say who performed the action, we use  
4 \_\_\_\_\_ + their name.

**4** Find twelve examples of the passive in the text. Which examples are ...

**a** plural?

**b** negative?

**c** a question?



# WHICH ONE IS CORRECT?

1. The message always is sent.
2. The message is always sent.
3. The message is sent always.

# WHICH ONE IS CORRECT?

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## LOOK OUT!



When we use adverbs with the passive, we usually put them immediately before the past participle.

Phones are sometimes used as alarm clocks.

It was probably invented by accident.

5 Read the **Look out!** box. Complete the sentences with the present simple or past simple passive of the verbs in brackets.

- 1 Mobile phones *are owned* (own) by about 4.3 billion people in the world today.
- 2 The best-selling phone ever was the Nokia 1100. More than 250 million \_\_\_\_\_ (sell).
- 3 In Japan, mobiles \_\_\_\_\_ (often / use) in the shower, so most of them are waterproof.
- 4 The average text message \_\_\_\_\_ (usually / answer) within 90 seconds.
- 5 In 2012, 340,000 iPhones \_\_\_\_\_ (buy) every day.
- 6 Today, the internet \_\_\_\_\_ (access) more often from a phone than from a computer.
- 7 More text messages \_\_\_\_\_ (send) every year in the Philippines than in any other country.
- 8 The world's toughest phone \_\_\_\_\_ (drop) 25 metres onto concrete and did not break.

**6 Complete the questions about the reading texts in Units 1–8 using the correct passive form of the verbs in brackets.**

- 1 Why \_\_\_\_\_ Ashlyn Blocker \_\_\_\_\_ (watch) more carefully than all the other children at her school? [1F]
- 2 \_\_\_\_\_ Dan and Kate Suski \_\_\_\_\_ (rescue) by helicopter after their boat sank? [2F]
- 3 What skills \_\_\_\_\_ (improve) by playing online video games, according to a report? [3F]
- 4 Who \_\_\_\_\_ (nearly / kill) by a storm at a paragliding event? [4F]
- 5 Why \_\_\_\_\_ Jo Unsworth \_\_\_\_\_ (allow) to go to sleep at work? [5F]
- 6 Why \_\_\_\_\_ Terry Alderton \_\_\_\_\_ (laugh at) after sunbathing? [6F]
- 7 Where \_\_\_\_\_ meetings \_\_\_\_\_ (sometimes / hold), if Aaron Levie is choosing the venue? [7F]
- 8 Where \_\_\_\_\_ the words *tamám shud* \_\_\_\_\_ (find) in the Somerton Man case? [8F]

**7 SPEAKING** Work in pairs. Ask and answer the questions in exercise 6.

Why was Ashlyn Blocker watched more carefully than all the other children at her school?

Because ...




# 9A


## Gadgets


1 Find twelve words for materials in the wordsearch.

T	C	O	P	P	E	R	H	E	R
W	O	O	D	R	R	E	G	A	L
O	N	P	T	O	U	F	L	M	A
T	C	A	R	D	B	O	A	R	D
E	R	P	R	I	B	S	S	S	A
L	E	E	S	I	E	T	S	T	N
T	T	R	H	I	R	O	N	E	I
S	E	G	O	L	D	N	G	E	R
I	N	Y	L	O	N	E	D	L	D


**2 Circle the correct materials.**


1 This belt  is made of **leather** / aluminium and rubber / steel.

2 This chair  is made of **paper** / wood and glass / plastic.


3 This cup  is made of **iron** / ceramic.

4 This bicycle wheel  is made of **stone** / aluminium and rubber / nylon.

5 This book  is made of **glass** / paper and concrete / cardboard.

6 This mouse  is made of **nylon** / plastic.

7 This bridge  is made of **concrete** / copper.

8 This necklace  is made of **rubber** / gold and paper / glass.

**3** **SPEAKING** Work in pairs. Read the descriptions. Then guess the object. Check your ideas on the right.

**1** *This is battery powered, but the batteries are often rechargeable.  
It's small and rectangular. It's made of plastic and it's got lots of small buttons on it.*

**2** **This is usually made of aluminium and plastic. It's powered by electricity.  
It's rectangular and it's usually got two, or sometimes four, long thin holes at the top.**

**3** **This isn't mains powered or battery powered. It's circular with a big hole in the  
middle. It's made mostly of cardboard and plastic.**

**4** **This has got a long, thin, straight stick, sometimes with a curved part at one end.  
At the other end, it's got big circular nylon cover.**

**Answers**

**1** remote control **2** toaster **3** sticky tape **4** umbrella

**ASSIGNMENT:**  
**WORKBOOK 9B**  
**GRAMMAR BUILDER**  
**P.140**

**DEADLINE: THURSDAY**