

4.1 Inventive ideas

Grammar using the passive

- 1 Complete the second sentence so that it has a similar meaning to the first sentence, using the word in bold.
- You can reduce your energy bills by turning down the thermostat. **be**
Your _____ by turning down the thermostat.
 - They treated him for his injuries at the hospital. **was**
_____ for his injuries at the hospital.
 - They haven't finished the design yet. **been**
The design _____ yet.
 - Did she monitor his heart rate? **was**
Do you know if _____?
 - They will have attached the document to the email.
The document _____ to the email. **attached**
 - Make sure you place it carefully in the right position. **is**
Make sure _____ carefully in the right position.

PRONUNCIATION weak forms: *to be*

- 2a 4.1 Listen and check your answers to exercise 1. Pay attention to the pronunciation of the forms of the verb *to be*.
- b 4.2 Listen and repeat the sentences using the weak forms.
- 3 Complete the text with the correct passive form of the verbs in brackets. Sometimes more than one answer is possible.



Not many toys ¹ _____ (enjoy) by generations of children, but the Rubik's Cube is now over forty years old and still popular. It ² _____ (invent) in 1974 by Erno Rubik, a Hungarian architect. He wanted to create a working model to help explain three-dimensional geometry, but after the 'magic cube' ³ _____ (design), Rubik discovered that he couldn't actually solve the puzzle himself! It was far more complicated than he had imagined, as the coloured squares can ⁴ _____ (arrange) in 43,000,000,000,000,000,000 different ways.

The toy ⁵ _____ (show) at the Nuremberg Toy Fair in 1979 and went into production in 1980. By 2009, more than 350 million cubes ⁶ _____ (sell) worldwide, making it the biggest-selling toy of all time.

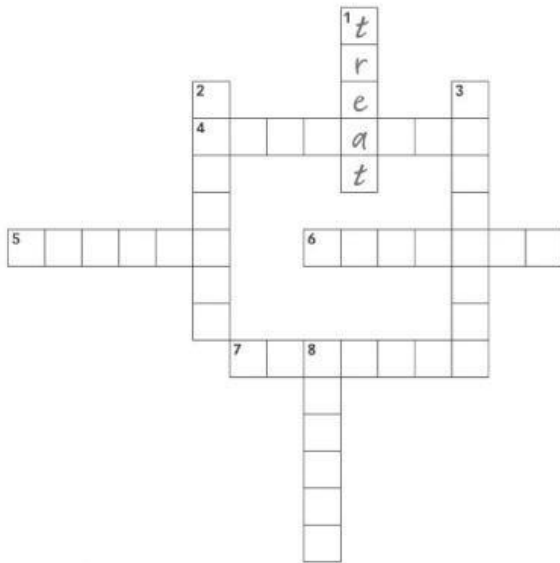
- 4 Choose the correct options to complete the sentences.

- The Rubik's Cube _____ Toy of the Year in the UK in 1980 and 1981.
a awarded c awards
b was awarded d is awarded
- However, most children _____ the cube and just peeled the stickers off instead.
a could not be solved
b could not have been solved
c could not solve
d could not solving
- In speed-cubing competitions, people try to see how quickly the Rubik's Cube _____.
a can be solved c will solved
b is being solved d solved
- The current world record for speed-cubing _____ by Mats Valk, a Dutch teenager.
a held c is held
b was held d holding
- Valk _____ the puzzle in 5.55 seconds.
a managed to solve c has been solved
b was solved d managed to be solved
- But the cube _____ by a robot in 3.25 seconds.
a is since been solved c has since solved
b is since solved d has since been solved



Vocabulary how things work

5 Complete the crossword using the clues.



Across ►

- 4 fill with electrical power again
- 5 make something less or smaller
- 6 be able to make something do what you want
- 7 find the size, weight, height, etc. of something

Down ▼

- 1 give medical care
- 2 keep something safe
- 3 produce or create something, e.g. energy
- 8 fasten or join something to something

6 Choose the correct options to complete the sentences.

- 1 When that light flashes, it means the battery needs *generating* / *recharging*.
- 2 The books are heavy, so make sure the shelf is firmly *fixed* / *placed* to the wall.
- 3 The machine *measures* / *monitors* his pulse to make sure it is not going too fast.
- 4 The kitchen is *controlled* / *designed* for wheelchair users.
- 5 The condition is usually *treated* / *monitored* with medication and a strict diet.
- 6 They decided to *place* / *attach* the car park right next to the hospital.

7 Complete each text using the correct form of the verbs in the boxes. In each case, there is one verb you do not need.

fix measure monitor place ~~protect~~

How to hang wallpaper

It may sound obvious, but before you start hanging wallpaper, make sure that your flooring or carpet is ¹ protected. Wallpaper glue can be very messy indeed.

Begin at the corner of the room, but don't assume that the walls are straight. ² _____ the walls carefully and start by drawing a straight line from the top of the wall to the bottom. If you ³ _____ your first piece of wallpaper correctly, the rest should follow.

⁴ _____ the paper to the wall by carefully smoothing the paper down, using a brush. Work from the centre of the paper out to the edges.

attach control generate recharge reduce

How to use less electricity

Electricity is expensive, and most of us would like to ⁵ _____ our electricity bills. If you can ⁶ _____ the temperature, the first thing to do is to turn down the heating or air conditioning. Just a very small difference can save you a lot over a year.

Also, think about appliances that you have plugged into the wall. Leaving a mobile phone to ⁷ _____ overnight is a waste of energy, and you should also unplug or fully switch off the TV and the computer.

If you own your own house, think about installing solar panels on the roof, and ⁸ _____ your own electricity.

I can ...

Very well Quite well More practice

use the passive.

☐ ☐ ☐

talk about how things work.

☐ ☐ ☐