

## Task 1

- In this part from the afterword to the book **How to Make a Spaceship**, some parts of sentences have been left out.
- Your task is to reconstruct the text by filling in the gaps (1-8) from the list (A-K) below.
- Remember that there is one extra phrase that you will not need.
- Write the letters in the white boxes next to the numbers as in the example (0).



### HAWKING ON SPACE TRAVEL

In this extract from *How To Make A Spaceship*, Stephen Hawking explains why he said yes when offered a seat on Virgin's SpaceShipTwo and (0) \_\_\_\_\_.

'I have no fear of adventure. Years ago I barrelled down the steepest hills of San Francisco in my wheelchair. I travel widely and have been to Antarctica and Easter Island and (1) \_\_\_\_\_.

In 2007, after my sixty-fifth birthday, I did something special: I experienced zero gravity. It temporarily took away my disability and (2) \_\_\_\_\_. After forty years in a wheelchair, I had four wonderful minutes of weightlessness. I travelled in a modified Boeing 727 jet over the ocean off Florida which (3) \_\_\_\_\_. It has always been my dream to travel into space, and the experience was amazing.

Now I have a chance to travel to the start of space aboard a Virgin Galactic SpaceShip. Richard Branson is opening spaceflight up for ordinary citizens, and (4) \_\_\_\_\_. I immediately said yes to Richard when he offered me a seat on SpaceShipTwo. I have lived with ALS, amyotrophic lateral sclerosis, for fifty years. When I was diagnosed at age twenty-one, I was given two years to live. I was starting my PhD at Cambridge and (5) \_\_\_\_\_ whether the universe had always existed and would always exist or had begun with a big explosion. As my body grew weaker, my mind grew stronger. I lost the use of my hands and (6) \_\_\_\_\_, but I developed ways of travelling through the universe in my mind and visualising how it all worked.

I believe that we need a new generation of astronauts to explore our solar system. These first private astronauts will be pioneers, and (7) \_\_\_\_\_. It is my belief, and it is the message of Julian Guthrie's book, for which I have written the afterword, that there is no limit to human effort. Raise your sights. Be brave and kind. Remember to look up at the stars and (8) \_\_\_\_\_. Space, here I come!'

(<https://www.theguardian.com>)

- A) facing the scientific challenge of determining
- B) gave me a feeling of true freedom
- ~~C) why we need a new generation of explorers~~
- D) not at your feet
- E) if I am lucky, I hope to be among the early passengers
- F) down in a submarine
- G) could no longer write equations
- H) trying to catch them
- I) they will help to change the world for good
- K) did manoeuvres that took me into this state of weightlessness

|    |   |
|----|---|
| 0) | C |
|----|---|

|    |  |  |
|----|--|--|
| 1) |  |  |
|----|--|--|

|    |  |  |
|----|--|--|
| 2) |  |  |
|----|--|--|

|    |  |  |
|----|--|--|
| 3) |  |  |
|----|--|--|

|    |  |  |
|----|--|--|
| 4) |  |  |
|----|--|--|

|    |  |  |
|----|--|--|
| 5) |  |  |
|----|--|--|

|    |  |  |
|----|--|--|
| 6) |  |  |
|----|--|--|

|    |  |  |
|----|--|--|
| 7) |  |  |
|----|--|--|

|    |  |  |
|----|--|--|
| 8) |  |  |
|----|--|--|

|        |  |
|--------|--|
| 8 pont |  |
|--------|--|

## Task 2

- Read this article about how a fisherman's glasses were found and then read the sentences (9-16) following it.
- Mark a sentence **A** if it is true according to the article.
- Mark it **B** if it is false according to the article.
- Mark it **C** if there is not enough information in the text to decide if the sentence is true or not.
- Write your answers in the white boxes next to the numbers as in the example (0).



### OPTICIAN FINDS FISHERMAN'S GLASSES IN THE SEA

Mike Richardson, aged 69, was working on a friend's boat in Swansea Marina when his £250 prescription glasses fell into the water. He wanted to order a new pair, but when a local optician, Nick King, heard about the accident he decided to help.

Diving as a qualified British Sub-Aqua Club national instructor, Nick used 31 years of experience to find Mike's lost glasses 20 feet down at the bottom of the Marina. He turned up holding the glasses after a five-minute search.

Mike said: 'When my glasses fell into the water I thought I'd have to buy a new pair, but luckily my friend knew Nick and called him for advice. He arrived within two hours of the call and started searching the Marina in the area around the boat. We thought he'd never find them because it's very dark water down there. After five minutes there were a lot of people at the scene who came to watch and we were all amazed when Nick came up from the freezing water with my glasses! No one could believe it when we found out that Nick was actually an optician from the local *Specsavers*!'

The glasses were fine to use after a quick wash. Mike added: 'I'm extremely grateful to Nick for returning my glasses to me!'

Nick said: 'Looking for lost glasses isn't normally part of the *Specsavers* service, but when I heard about Mike's problem I couldn't resist helping him out. I have dived all over the world, but my dive in Swansea's Marina was unique, as I was able to use my diving skills to help a *Specsavers* patient in such an exceptional way!'

([www.thewave.co.uk](http://www.thewave.co.uk))

0) *Mike Richardson was working on his daughter's boat when his glasses fell into the sea.*

|    |          |
|----|----------|
| 0) | <b>B</b> |
|----|----------|

9) Mike Richardson thought he would have to get new glasses.

|    |  |  |
|----|--|--|
| 9) |  |  |
|----|--|--|

10) Nick King had several years' experience as a diver.

|     |  |  |
|-----|--|--|
| 10) |  |  |
|-----|--|--|

11) He found the glasses two hours after jumping into the water.

|     |  |  |
|-----|--|--|
| 11) |  |  |
|-----|--|--|

12) Nick King had been contacted by Mike's friend.

|     |  |  |
|-----|--|--|
| 12) |  |  |
|-----|--|--|

13) Nick King bought his diving equipment shortly before the incident.

|     |  |  |
|-----|--|--|
| 13) |  |  |
|-----|--|--|

14) The glasses did not need to be repaired.

|     |  |  |
|-----|--|--|
| 14) |  |  |
|-----|--|--|

15) Nick King had already found lots of lost items.

|     |  |  |
|-----|--|--|
| 15) |  |  |
|-----|--|--|

16) The company *Specsavers* regularly offers to help find lost glasses.

|     |  |  |
|-----|--|--|
| 16) |  |  |
|-----|--|--|

|        |  |
|--------|--|
| 8 pont |  |
|--------|--|

### Task 3

- Read this article about the benefits of taking a nap.
- In the sentences (17-22) that follow the text there are some gaps.
- Your task is to fill each gap with one word so that the sentences correspond to what the text says.
- Write the words on the dotted lines. An example (0) has been given for you.



#### THE SECRET OF POWER NAPPING

The power of the nap cannot be ignored. A recent study at Düsseldorf University has shown that even very short naps improve your memory. Looking at their effects on pilots on long flights, the researchers reported: “Naps can greatly improve both your energy level and general mood.”

Naps are of critical importance to pilots, but they can have the same benefits for anyone. Taking a nap for about half an hour is the most practical. If you want to try it yourself, have a coffee beforehand, so that it takes effect towards the end of your nap. Don't sip your coffee too slowly, as you might find it's already taking effect as you begin your nap.

The truth is that we can nap anywhere. The best way is to find a spot where you can make yourself comfortable at some point during the afternoon period – an unused office, the sofa in the staff room or even in the park. Then close your eyes and just let go. Some people say that they simply “can't nap” and they won't be able to fall asleep. But here is the thing: it doesn't matter. What's important is that you use this period to close your eyes and disconnect from the world for a short while.

After a nap, take five minutes to become aware of your surroundings and have a cup of tea or a glass of water. One more thing - light will reduce any tiredness quickly, so you will be full of energy and enjoy all the benefits of your nap.

*(bbc.co.uk)*

0) According to the article you cannot overlook the importance of taking a(n) nap  during the day.

17) Just a brief nap will help you \_\_\_\_\_ things better.

18) It's a good idea to have a(n) \_\_\_\_\_ minute nap in the afternoon.

19) If you drink your coffee very \_\_\_\_\_, you won't be able to have a nap.

20) During a nap, it's not that important to actually \_\_\_\_\_.

21) After a nap it's a good idea to give yourself a little time to wake up and to \_\_\_\_\_ something.

22) After a short nap \_\_\_\_\_ will help you feel energetic again.

## Task 4

- Read the following story about a clever invention and then read the half sentences that follow the text.
- Your task is to match the half sentences based on the information in the text.
- Write the letters (A-K) in the white boxes next to the numbers (23-28) as in the example (0).
- Remember that there are three extra letters that you will not need.



### BIKE LOCK DEVELOPED THAT MAKES THIEVES IMMEDIATELY VOMIT

A thief approaches a bicycle, with an electric saw in his hand. He starts to drill, and is shot in the face with a foul spray that makes him vomit uncontrollably. This is the dream of the inventor of *SkunkLock*.

“Basically I was fed up with thefts,” says inventor Daniel Idzkowski. “The real last straw was when a friend parked his very expensive electric bike outside a café, and then went to have lunch and chat. When he left, his bike was gone.” He was outraged.

“I realized that the biggest problem is that most people don’t know that the lock that they bought for \$20 is absolutely worthless. It costs at least \$100 to get at least somewhere close to where you can at least limit the chances of a thief wanting to steal your bike. With the right tools a thief could cut through most locks in less than a minute. Thieves talk in seconds: a 15-second bike, a 20-second bike, and it goes up to 60-second bikes.”

Idzkowski created a U-shaped lock of carbon and steel with a hollow chamber to hold a pressurized gas. When someone cuts about 30% of the way into the lock the gas erupts in the direction of the cut. “It’s pretty much immediately vomit inducing,” Idzkowski said.

The inventors have tested it on themselves and volunteers at distances of 50cm and 2 metres. “At 50cm it was pretty bad. It was absolutely vomit inducing in 99% of people. At 2 metres it’s still definitely detectable and very unpleasant.”

*(guardian.co.uk)*

~~0)~~ *The thief with an electric saw ...*

**A)** their lock cannot protect their bike.

|    |   |
|----|---|
| 0) | C |
|----|---|

**23)** It will make the thief vomit if ...

**B)** they will almost certainly start vomiting.

|     |  |  |
|-----|--|--|
| 23) |  |  |
|-----|--|--|

**24)** The inventor finally decided to create *SkunkLock* when ...

~~C)~~ *will get a very smelly surprise.*

|     |  |  |
|-----|--|--|
| 24) |  |  |
|-----|--|--|

**25)** Most people have no idea that ...

**D)** can resist a thief for more than a minute.

|     |  |  |
|-----|--|--|
| 25) |  |  |
|-----|--|--|

**26)** There is no bike lock that ...

**E)** they cannot touch the bike.

|     |  |  |
|-----|--|--|
| 26) |  |  |
|-----|--|--|

**27)** If you cut less than half way through *SkunkLock*,...

**F)** a friend's electric bike was stolen.

|     |  |  |
|-----|--|--|
| 27) |  |  |
|-----|--|--|

**28)** When the gas hits someone from half a metre away, ...

**G)** it will release its smelly gas.

|     |  |  |
|-----|--|--|
| 28) |  |  |
|-----|--|--|

**H)** his friends ask him for help.

**I)** they try to cut off *SkunkLock*.

**K)** you can steal the bike.

|        |  |
|--------|--|
| 6 pont |  |
|--------|--|

**This is the end of this part of the exam.**

---