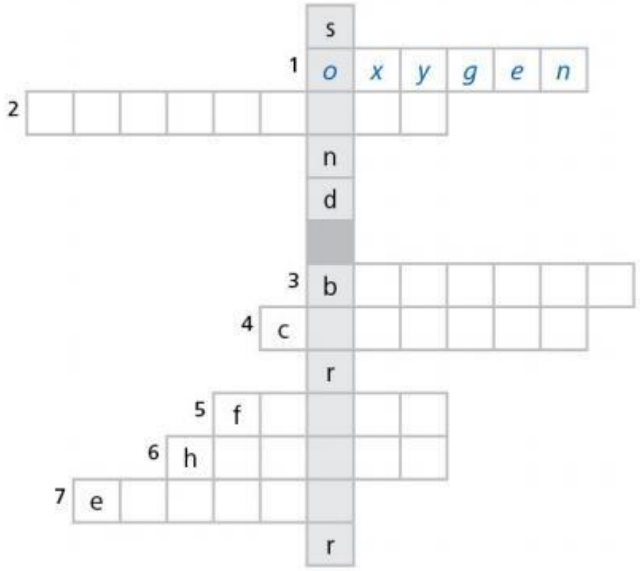
5.5 Listening and Vocabulary

Space debris

1 Read the sentences and write the words in the crossword. What is the hidden word?



1 We need this gas to breathe.
2 This large piece of material fills with air and helps the wearer fall slowly to the ground.
3 A large bag filled with gas or air so that it can float in the air.
4 The part of a spacecraft which contains the astronauts.
5 Physical power which moves something.
6 A gas which is lighter than air and is often used to make things float.
7 A machine which produces power to make a vehicle move.

The hidden word is: _____.

2 Complete the words in the sentences.

1 After jumping from the plane, Sam opened his pa*r a c h u t*e and soon landed safely on the ground.
2 The f___ ___e astronauts feel when they take off from Earth is very powerful.
3 The astronauts all felt nervous as the c___ ___s___ ___ left the rest of the spacecraft.
4 We need o___ ___g___ ___ to breathe.
5 The car has a very powerful ___n___i___ ___ and can go from 0 to 100 kilometres per hour in nine seconds.
6 If you travel faster than 767 kilometres per hour, you break the s___ ___ ___d b___ ___ ___ ___ ___r.

3 5.1 Listen to the first part of a podcast and choose the correct answer.

What is space debris?

a a type of satellite
b parts of old spaceships, satellites, etc. orbiting the Earth
c everything that's in orbit around the Earth



4 5.2 Listen to the rest of the podcast and tick the topics which are mentioned.

1 ☐ the number of small pieces of debris
2 ☐ the problems large debris can cause
3 ☐ missions to other planets
4 ☐ the most dangerous area
5 ☐ space debris falling to Earth
6 ☐ Earth's orbit around the Sun
7 ☐ cleaning up the debris

5 5.2 Listen again and complete the notes.

Space debris

- *more than [1] 170 million pieces of debris smaller than 1 cm*
- *just one piece of debris can damage a [2] _____ or satellite*
- *International Space Station (ISS) uses Whipple shields to make debris [3] _____*
- *nearly 30,000 pieces larger than [4] _____ cm*
- *some larger pieces can survive the [5] _____ temperatures of the atmosphere*
- *on average, one piece has landed on Earth every day for last [6] _____ years*
- *we don't clean it up because it's too [7] _____*

I can understand a podcast about space debris.

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5.6 Speaking

Instructions

1 5.3 Listen and repeat the phrases.

SPEAKING Instructions

Giving instructions

First, open the app. Second, point your phone at the sky.
After a few minutes,/After that,/Then/Next, watch what happens.
The last thing you need to do is/Finally, record the result.
Never/Always check the program.
You/We need to check the light is on.
I/We have to check the light is on.
It's important (not) to/Try (not) to fly it fast.

Responding to instructions

That seems fun/easy. Of course. OK.
Sure. No worries. No problem.
What next? Now what? Then what do I do?
I hope it works/I get it right.

2 Match the sentence halves.

1 [b] First,
2 [ ] After
3 [ ] Raise the drone slowly. Try not
4 [ ] Try simple moves at first. After a
5 [ ] That seems
6 [ ] Then what

a to lift it up too fast.
b ~~turn the drone on.~~
c few minutes, you can try something more difficult.
d do I do?
e easy.
f that, open the app on your phone too.

3 Complete the dialogues with the words below.

always hope important need ~~second~~

1 A: What do I do after that?
B: *Second*, check all the pieces are there.
2 A: How do I use this laptop?
B: Just turn it on – there's no password. But you _____ to shut it down when you've finished.
3 A: It's _____ to read the instructions first.
B: Yes, of course.
4 A: And finally, put this piece on top.
B: OK, I _____ I get it right!
5 A: Do I make a hole here?
B: Yes, but _____ use safety glasses to protect your eyes.

4 Choose the correct option.

Gran: Can you help me install an app on my phone, Tom?
Tom: Of course, Gran, let me see. OK, so [1]*first / second*, you need to open the app store. Here it is.
Gran: OK, that [2]*checks / seems* easy.
Tom: After [3]*that / next*, you need to search for the name of the app in the search bar. See?
Gran: OK. Then what [4]*will / do* I do?
Tom: You see where it says 'Get'? Just tap on that. But [5]*never / always* check it's a free app, not an expensive one you have to pay for.
Gran: [6]*Of / For* course. I don't want to pay for apps!

5 5.4 Complete the dialogue with one word in each gap. Listen and check.

Chris: Why on earth are you pointing your phone at the sky, Tiana?
Tiana: It's this new app. It lets you identify planets and stars.
Chris: Really? How does it work?
Tiana: [1]*First*, you open the app, like this. [2]_____, you point it at a part of the sky. See? There's the moon.
Chris: That [3]_____ easy. Can you search for specific things?
Tiana: Sure. What do you want to see?
Chris: Um … Jupiter.
Tiana: [4]_____ worries. We just type it in here … Oops! Obviously, I [5]_____ to spell it properly, of course!
Chris: Ha! Yes, that helps. [6]_____ what do I do?
Tiana: You see that arrow? You need [7]_____ move the phone in that direction until you see Jupiter.
Chris: Oh yeah, there it is! This app is cool! I'm going to download it.
Tiana: Have fun! But [8]_____ point it at the sun. If you use it in the daytime, it'll hurt your eyes.

On the Portal
Extra Activities Lesson 5
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