

C1 Advanced Part 7

1 In activities in which you match missing paragraphs, what should you remember?

- a To check every missing paragraph in all the gaps.
- b There are six gaps and six missing paragraphs.
- c Sometimes two paragraphs fit into the same gap.

2 Complete the sentences with the words in the box.

biomechanics • forensic • impact • lifespan
• long-term • outcry • owing

- 1 The effects of this drug are still unknown.
- 2 This discovery is bound to have an on medicine.
- 3 scientists were investigating the crime scene.
- 4 The average of a butterfly is only one month.
- 5 The building project caused a public
- 6 The experiment was stopped to safety issues.
- 7 relates to movement in living things.

✓ Exam tip

In activities in which you match missing paragraphs to gaps in the text, remember to check every missing paragraph in each gap even if you have already selected it.

3 Read the article and choose from the paragraphs A – G the one which fits gaps 1 – 6. There is one extra paragraph which you do not need to use.

Meat, but not as we know it!



If you eat meat, the simple fact is it will come at a price. An animal will die and it will have repercussions on the environment. Vegetarians have been telling us this for years. However, some people can't imagine their lives without meat due to it being a main part of their diet. What could possibly bring these two groups of people together?

1

But don't take my word for it. In December 2020 US company, Eat Just was the first company to be given permission to sell lab-grown chicken nuggets, in a private members club in Singapore. One of the first to give their feedback was a 12-year-old diner who said that it was just like chicken, but also that it was the best thing they had ever seen or tasted.

2

One of the biggest was in 2002 when the first sample of meat was produced. Scientists managed to successfully grow a fish fillet from the cells of a goldfish. The difference from what had happened previously was that this sample could be eaten.

3

Nowadays it seems like producing cultured meat could actually be a win-win situation. If we were to completely rely on it, we could stop killing animals for meat, end diseases that are passed from animal to animal in food production, reduce greenhouse gasses and stop clearing rainforests in order to produce food for animals.

4

Another current drawback is the speed at which different parts of it grow. Individual cells can grow relatively quickly, whereas it can take a lot longer for tissue segments to develop. And if things aren't growing at the same pace, this can affect the outcome. In other words, the texture and density could be different from traditional meat.

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5

Even if you aren't one of the doubters from a taste point of view, you could be from an economic point of view. Full-scale cultured meat production would lead to numerous job losses in the meat industry. For this reason, while there are plenty of benefits to lab-grown meat, this has to be carefully balanced with the people who currently work in farming that could be out of a job in the not-too-distant future.

6

The future vision of cultured meat can best be summed up by Upside Foods, who have been involved in the Food Technology business since 2015. It has a clear aim of living in a world where everyone is able to eat delicious, nutritious food without having to compromise. Furthermore, the company wants the planet to thrive while sustaining the environment and all its citizens.

A Having said that lab-grown meat still faces a number of challenges. One reason why cultured meat is yet to be mass-produced is that it's still quite costly. Not many people are prepared to pay around £40 for chicken nuggets when they can get real chicken nuggets for a fraction of the price by popping into any fast-food restaurant. But the outlook is good. If you fast-forward to 2030 it is believed that lab-grown meat will be selling at a competitive price.

B Nevertheless with their help the industry could become one of the most successful in the world. Traditional farmers could co-exist with the more modern meat-production processes. Whoever said one cancels out the other clearly hadn't thought of this solution. Let's look at how.

C The answer could well be lab-grown meat. Thanks to biotechnology, we are now able to grow meat in a laboratory. And in case you think there is no comparison to the real thing, the fact that it's created from real animal cells, without any nasty bacteria or disease, means that it could even be better!

D Related to this is the taste. Lab-grown meat not only has to feel like the real thing, but it also has to taste like it too. Unless it does, how will die-hard meat fans be converted? There is continual development in this area to ensure that even the most doubtful people won't be able to tell the difference.

E A few years later, in 2009, Time Magazine stated that lab-grown meat had been one of the biggest scientific breakthrough ideas of the year. And it wasn't wrong. From that time it seems to have gone from strength to strength.

F This just goes to show that if we lived in a perfect world, the invention of cultured meat would be enough. The reality is far more complicated and it is clear that there will be setbacks along the way. This isn't to say we won't keep looking for solutions and a final goal.

G However, it took a long time to get to this point. If Jon Vein hadn't secured a patent for producing lab-grown meat which could be eaten by people back in 1998, we wouldn't be where we are today. There followed a number of other steps.

C1 Advanced Part 2

1 Complete the sentences with words from the box.

• whole • context/purpose • purpose/context
• sentence • word

In activities in which you have to write one word, read the (a) text first to get an idea of the (b) and (c) Before filling in each answer, read the full (d) to check it makes sense with the (e) you have chosen.

2 Read the sentences and choose the correct definitions.

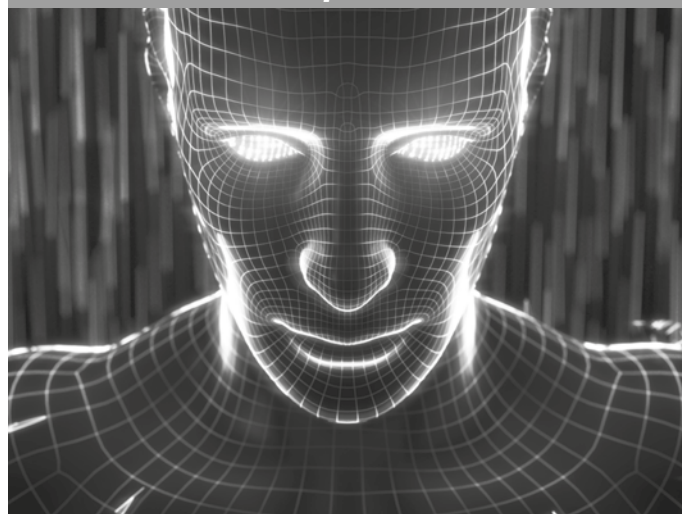
- | | |
|--|--------------------|
| 1 Make something happen | a breakthrough (n) |
| 2 Be caused by something | b worthwhile (adj) |
| 3 A big discovery or achievement | c side-effect (n) |
| 4 The study of earth and its structure | d bring about (v) |
| 5 Something that is useful to do | e geology (n) |
| 6 A negative effect of a medical treatment | f stem from (v) |

✓ Exam tip

In activities in which you have to write words in gaps, remember to read the text first to understand the context and purpose. Before you complete each gap, make sure you read the whole sentence before and after the gap to check your answer makes sense.

3 For questions 1–8, read the text below and think of the word which best fits each gap. Use only one word in each gap. There is an example at the beginning (0).

Deepfakes



The word 'Deepfake' comes from a form of Artificial Intelligence known (0) *as*

..... 'deep learning'. Deep learning algorithms (1) able to realistically swap faces in videos. Deepfakes can appear to make people say things they didn't as (2) as be in places they weren't.

Deepfakes will soon (3) rise to endless opportunities in gaming. People now experience games in a completely different way to as little as five years ago. You feel (4) if you are actually part of the game. With the introduction of deepfakes, this will make the game even more engaging.

On (5) other hand, this technology is causing concern worldwide. It's funny when we're laughing at a deepfake of Tom Cruise. But how about when it has (6) impact on politics? In 2018, a video of Donald Trump appeared asking Belgium to leave the Paris climate agreement. If it hadn't been discovered to be a deepfake, this could (7) had serious consequences.

The concern over deepfakes has prompted a number of new companies to be set up to spot them.

(8) that they can, we shouldn't have too much to worry about!