



龍騰高中英文 Book 5 Lesson 4 Thinking Ahead 影片學習單

<p>Topic : Cell-Based Meat (4:35)</p> <p>Would you eat cell-based meat?</p>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>1.</p>  </div> <div style="text-align: center;"> <p>2.</p>  </div> </div>
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Part 1 Vocabulary

1. identical	<i>adj.</i> 相同的	5. feasible	<i>adj.</i> 可行的
2. available	<i>adj.</i> 可得到的	6. preference	<i>n.</i> 偏好
3. extract	<i>v.</i> 提取	7. exceed	<i>v.</i> 超過
4. replicate	<i>v.</i> 複製	8. accelerating	<i>adj.</i> 加速的

- When it comes to sweet food, I have a _____ for brownies.
- Due to COVID-19, many online free learning resources are _____ for teachers and students.
- With the greatly increasing population, food consumption is growing at a (n) _____ rate.
- The government is working on a (n) _____ solution to overtourism.
- The money we can spend on this trip should not _____ 5,000 NT dollars because we are on a tight budget.

Part 2 Comprehension Practice

- () 1. Which is **NOT** mentioned as a benefit of cell-based meat?
- (A) Better for animals.
 (B) Better for the environment.
 (C) Better taste.
 (D) Better for human health.
- () 2. The nutrient-rich liquid used to grow cell-based meat comes from unborn _____.
- (A) calves (B) pigs (C) lambs (D) chickens
- () 3. Which of the following statements are true about the challenges when producing cell-based meat?
- (A) It's hard to find the nutritious liquid to grow cell-based in, which also costs a lot of money.
 (B) The nutrient-rich liquid is made with cells extracted from rare plants; therefore, it's not easy to make it.
 (C) Companies now are still looking for proper proteins from plants to make cell-based meat.
 (D) Since cell-based meat is not tasty, it's hard to persuade them to consume it.

- (E) Some people worry that they might accidentally consume cell-based meat because cell-based meat can be made into different kinds of cuisines, which is hard to tell it from the real meat.

4. Consumers will need to believe that cell-based meat is _____ and _____ to make it successful.

Part 3 Let's Think

1. Watch the video and write T (true) or F (false) before each statement.

_____ (1) Cultured meat is plant-based, meaning it does not require killing animals for food.

_____ (2) In-vitro meat is estimated to have a lower impact on the environment.

_____ (3) Whether people can accept a new way to produce the food they eat is one of the challenges that will determine the success of cultured meat.

_____ (4) Cultured meat will never replace animal meat.

2. As is said in the video, "There is a risk that we won't be able to meet the demands of more people." That's why cell-based meat is being developed. However, if we can reduce food waste, there would be enough food. In Taiwan, school lunches have contributed a lot to food waste. What can we do to reduce food waste in schools?

To reduce food waste in schools, _____.

A: _____

龍騰高中英文 Book 5 Lesson 4 Reading Comprehension 課文學習單

- () 1. What is the main idea of this passage?
- (A) Ways to produce lab-grown meat.
 (B) Pros and cons of lab-grown meat.
 (C) Ways to cut down on the emission of greenhouse gas.
 (D) Comparison between GM food and lab-grown meat.
- () 2. Which of the following statements is **NOT** true?
- (A) Lab-grown meat can be more nutritious than real meat by adding vitamins and minerals.
 (B) Both lab-grown meat and GM food have the possibility of causing diseases, such as allergic reaction or cancers.
 (C) Thanks to the scientists' efforts, lab-grown meat now tastes the same as the real meat.
 (D) Some people doubt whether consuming lab-grown meat is effective in reducing greenhouse gas emissions.
- () 3. Here are the procedures of creating lab-grown meat. Please arrange them in a correct order.
- (a) Combine the primitive fibers to generate muscle tissue.
 (b) Extract animal cells from specific sources.
 (c) Convert stem cells into primitive fibers.
- (A) abc (B) bca (C) cba (D) cab

4. Linda is doing the researching on lab-grown meat. After she read the passage, she wrote down the advantages and disadvantages of lab-grown meat. Please help her compile these findings.

Lab-Grown Meat: A Comprehensive Study on Advantages and Disadvantages	
Advantages	Disadvantages
<p>(A) Scientists are still working on making lab-grown meat taste as tasty as real meat by addressing its lacks of certain components, such as fat, tissue, and bones found in real meat.</p> <p>(B) Some people are worried that lab-grown meat might cause allergic reactions because it is similar to GM food, which is artificial and unnatural.</p> <p>(C) Some research has shown that producing lab-grown meat might result in substantial gas emissions, as its production requires a lot of energy.</p> <p>(D) Scientists claim that consuming lab-grown meat could be healthier than real meat by adding nutritious elements.</p> <p>(E) Producing lab-grown meat could reduce the emission of greenhouse gases since raising livestock might emit too much greenhouse gases.</p> <p>(F) Help animals stay away from brutal treatment and reduce the number of slaughterhouses.</p>	