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Level 6 – 9th December, 2020

Lab-grown meat given green light in Singapore

FREE online quizzes, mp3 listening and more for this lesson here:

<https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

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Please try Levels 4 and 5 (they are easier).

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THE ARTICLE

From <https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

Singapore has approved the production, sale and consumption of meat manufactured in a lab. The lab-grown meat could be the start of a revolution in the way we eat. Despite the cultured meat coming from bioreactors in a laboratory, it is, scientifically, real meat. To be more precise, it is chicken. The "chicken bites" look and taste like real chicken. The chicken is made by the U.S. company Eat Just. The "just" in the company's name is the adjective "just" (meaning "fair") rather than the adverb that means "only". Josh Tetrick, the Eat Just CEO, said no animals are killed to make the meat. This has the potential to transform the meat industry. It could also have an adverse impact on poultry and livestock farming.

Mr Tetrick believes Singapore's green light is just the start of a huge shake-up that will revolutionise meat manufacturing. He said: "I'm sure that our regulatory approval for cultured meat will be the first of many in...countries around the globe." He said lab-grown meat could lead to a huge reduction in the environmental impact of livestock production and thus change the world for the better. We could see disease-free meat, an end to the use of drugs in meat, and an end to animal cruelty. Tetrick added: "Cultured meat's role in creating a safer, more secure global food supply has...given rise to a steady increase in the application of animal cell culture technology...of food products."

Sources: <https://www.mashed.com/282205/this-is-why-plant-based-meat-is-so-expensive/>
<https://www.foodsafetynews.com/2020/12/eat-just-inc-gets-approval-in-singapore-for-lab-grown-chicken/>
<https://metro.co.uk/2020/12/03/lab-grown-chicken-nuggets-given-the-green-light-in-singapore-13694617/>

WARM-UPS

1. LAB-GROWN MEAT: Students walk around the class and talk to other students about lab-grown meat. Change partners often and share your findings.

2. CHAT: In pairs / groups, talk about these topics or words from the article. What will the article say about them? What can you say about these words and your life?

production / sale / consumption / lab-grown meat / chicken / adjective / animals / green light / shake-up / manufacturing / impact / livestock / drugs / food supply / cell

Have a chat about the topics you liked. Change topics and partners frequently.

3. ANIMALS: Students A **strongly** believe we should only eat lab-grown meat to protect animals; Students B **strongly** believe the opposite. Change partners again and talk about your conversations.

4. FOOD INDUSTRY: What do you know about these aspects of the food industry? What will their future look like? Complete this table with your partner(s). Change partners often and share what you wrote.

| | The Industry Now | The Future |
|-------------------|------------------|------------|
| Livestock farming | | |
| Poultry farming | | |
| Rice production | | |
| Junk food | | |
| Coffee growing | | |
| GM food | | |

5. REVOLUTION: Spend one minute writing down all of the different words you associate with the word "revolution". Share your words with your partner(s) and talk about them. Together, put the words into different categories.

6. FOOD: Rank these with your partner. Put the best food we can eat at the top. Change partners often and share your rankings.

- Beef
- Chicken
- Tuna
- Bananas
- Spinach
- Avocado
- Nuts
- Rice

VOCABULARY MATCHING

Paragraph 1

- | | |
|----------------|--|
| 1. approved | a. The eating, drinking, or ingesting of something. |
| 2. consumption | b. Marked by exactness and accuracy of expression or detail. |
| 3. revolution | c. Officially agreed to or accepted as satisfactory. |
| 4. precise | d. Domestic birds, such as chickens, turkeys, ducks, and geese. |
| 5. adverse | e. Preventing success or development; harmful; unfavorable. |
| 6. poultry | f. Farm animals regarded as an asset. |
| 7. livestock | g. A dramatic and wide-reaching change in the way something works or is organized or in people's ideas about it. |

Paragraph 2

- | | |
|-----------------|--|
| 8. green light | h. The action of putting something into operation. |
| 9. shake-up | i. The action of one object coming forcibly into contact with another. |
| 10. regulatory | j. Behavior that causes pain or suffering to a person or animal. |
| 11. impact | k. Permission to go ahead with a project. |
| 12. cruelty | l. A radical reorganization. |
| 13. steady | m. Firmly fixed, supported, or balanced; not shaking or moving. |
| 14. application | n. Serving or intended to control something. |

BEFORE READING / LISTENING

From <https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

1. TRUE / FALSE: Read the headline. Guess if a-h below are true (T) or false (F).

- a. The article says lab-grown meat could be revolutionary. **T / F**
- b. The lab-grown meat was created in bioreactors. **T / F**
- c. The lab-grown meat tastes like chicken but doesn't look like it. **T / F**
- d. A company CEO says lab-grown meat will not affect the poultry industry. **T / F**
- e. The company CEO says he needed to shake a green light. **T / F**
- f. The CEO said many other countries will get approval to grow meat. **T / F**
- g. The article says we will never see an end to animal cruelty. **T / F**
- h. There is less animal cell technology being used in food products today. **T / F**

2. SYNONYM MATCH:

Match the following synonyms. The words in **bold** are from the news article.

- | | |
|------------------------|-------------------|
| 1. approved | a. authentic |
| 2. revolution | b. constant |
| 3. real | c. unfavourable |
| 4. precise | d. thumbs up |
| 5. adverse | e. sea change |
| 6. green light | f. use |
| 7. shake-up | g. barbarity |
| 8. cruelty | h. rubber-stamped |
| 9. steady | i. restructuring |
| 10. application | j. accurate |

3. PHRASE MATCH: (Sometimes more than one choice is possible.)

- | | |
|--|--------------------------------|
| 1. the production, sale and | a. of drugs in meat |
| 2. The lab-grown meat could be the start | b. transform the meat industry |
| 3. "just" in the company's name | c. livestock farming |
| 4. This has the potential to | d. increase |
| 5. an adverse impact on poultry and | e. start of a huge shake-up |
| 6. Singapore's green light is just the | f. consumption of meat |
| 7. regulatory | g. for the better |
| 8. change the world | h. is the adjective |
| 9. an end to the use | i. approval |
| 10. given rise to a steady | j. of a revolution |

GAP FILL

From <https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

Singapore has approved the production, (1) _____ and consumption of meat manufactured in a lab. The lab-grown meat could be the start of a (2) _____ in the way we eat. Despite the cultured meat coming from bioreactors in a laboratory, it is, scientifically, real meat. To be more (3) _____, it is chicken. The "chicken bites" look and (4) _____ like real chicken. The chicken is made by the U.S. company Eat Just. The "just" in the company's name is the (5) _____ "just" (meaning "fair") rather than the adverb that (6) _____ "only". Josh Tetrick, the Eat Just CEO, said no animals are killed to make the meat. This has the (7) _____ to transform the meat industry. It could also have an adverse (8) _____ on poultry and livestock farming.

potential

precise

adjective

sale

means

impact

revolution

taste

Mr Tetrick believes Singapore's (9) _____ light is just the start of a huge (10) _____ -up that will revolutionise meat manufacturing. He said: "I'm sure that our regulatory (11) _____ for cultured meat will be the first of many in...countries around the globe." He said lab-grown meat could lead to a (12) _____ reduction in the environmental impact of (13) _____ production and thus change the world for the better. We could see disease-free meat, an end to the use of drugs in meat, and an end to animal (14) _____. Tetrick added: "Cultured meat's role in creating a safer, more (15) _____ global food supply has...given rise to a steady increase in the application of animal cell (16) _____ technology...of food products."

livestock

secure

shake

huge

cruelty

green

culture

approval

LISTENING – Guess the answers. Listen to check.

From <https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

- 1) Singapore has approved the production, sale and consumption of meat _____ lab
 - a. manufactured on a
 - b. manufactured inner
 - c. manufactured in a
 - d. manufacture dinner
- 2) The lab-grown meat could be the start _____
 - a. of a resolution
 - b. of a revolution
 - c. of an ablution
 - d. of a rev volition
- 3) from bioreactors in a laboratory, it is, _____
 - a. scientific key, veal meat
 - b. scientific ally, real meat
 - c. scientifically, veal meat
 - d. scientifically, real meat
- 4) no animals are killed to make the meat. This has the _____
 - a. potential to transform
 - b. potent shall to transform
 - c. potent trail to transform
 - d. potential too transform
- 5) It could also have an adverse impact on poultry _____
 - a. end livestock farming
 - b. and life stock farming
 - c. and livestock farm in
 - d. and live stick farming
- 6) Mr Tetrick believes Singapore's green light is just the start of a _____
 - a. hugely shake-up
 - b. fugue shake-up
 - c. huge shake-up
 - d. rouge shake-up
- 7) I'm sure that our regulatory approval _____
 - a. four cultured meat
 - b. far cultured meat
 - c. from cultured meat
 - d. for cultured meat
- 8) lead to a huge reduction in the environmental impact _____
 - a. off livestock production
 - b. of livestock production
 - c. after livestock production
 - d. oft livestock production
- 9) see disease-free meat, an end to the use of drugs in meat, and an end _____
 - a. to animal cruel tree
 - b. to animal cruel tea
 - c. to animal cruelty
 - d. to animal gruel tea
- 10) given rise to a steady increase in the application of animal _____
 - a. call culture technology
 - b. cell culture technology
 - c. cull culture technology
 - d. cellular culture technology

LISTENING – Listen and fill in the gaps

From <https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

Singapore (1) _____ production, sale and consumption of meat manufactured in a lab. The lab-grown meat could be the start of (2) _____ the way we eat. Despite the cultured meat coming from bioreactors in a laboratory, (3) _____, real meat. To be more precise, it is chicken. The "chicken bites" look and taste like real chicken. The chicken is made by the U.S. company Eat Just. The "just" in the company's name is the adjective "just" (meaning "fair") rather than the (4) _____ "only". Josh Tetrick, the Eat Just CEO, said no animals are killed to make the meat. This has (5) _____ transform the meat industry. It could also have an (6) _____ poultry and livestock farming.

Mr Tetrick believes Singapore's green light is (7) _____ of a huge shake-up that will revolutionise meat manufacturing. He said: "I'm sure that (8) _____ for cultured meat will be the first of many in...countries around the globe." He said lab-grown meat could lead to a (9) _____ the environmental impact of livestock production and thus change the world for the better. We could see disease-free meat, an end to the (10) _____ in meat, and an end (11) _____. Tetrick added: "Cultured meat's role in creating a safer, more secure global food supply has...given rise to a steady increase in (12) _____ animal cell culture technology...of food products."

COMPREHENSION QUESTIONS

From <https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

1. What does the article say lab-grown meat could be the start of?
2. Where in a laboratory did the company grow the meat?
3. What does the meat look and taste like?
4. What does the CEO say lab-grown meat has the potential to transform?
5. What does the CEO think the green light is the start of?
6. What kind of approval did the Eat Just company get?
7. According to the CEO, how could lab-grown meat change the world?
8. What does the CEO say we could see an end to besides the use of drugs?
9. What might cultured meat lead to a more secure supply of?
10. What technology has seen a steady rise regarding food products?

MULTIPLE CHOICE - QUIZ

From <https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

- 1) What does the article say lab-grown meat could be the start of?
 - a) a revolution in the way we think
 - b) a revolution in the way we eat
 - c) a revolution in the way we cook
 - d) a revolution in the way we heat
- 2) Where in a laboratory did the company grow the meat?
 - a) a biosurgery
 - b) a biogenesis
 - c) a biomarker
 - d) a bioreactor
- 3) What does the meat look and taste like?
 - a) chicken
 - b) fish
 - c) steak
 - d) mushroom
- 4) What does the CEO say lab-grown meat has the potential to transform?
 - a) supermarkets
 - b) plates
 - c) the meat industry
 - d) fast food
- 5) What does the CEO think the green light is the start of?
 - a) the end
 - b) a huge shake-up
 - c) a new agriculture
 - d) better burgers
- 6) What kind of approval did the Eat Just company get?
 - a) regulatory approval
 - b) farming approval
 - c) good approval
 - d) meaty approval
- 7) According to the CEO, how could lab-grown meat change the world?
 - a) quickly
 - b) no need for knives and forks
 - c) for the better
 - d) meal by meal
- 8) What does the CEO say we could see an end to besides the use of drugs?
 - a) animal cruelty
 - b) wasted farmland
 - c) hunting
 - d) farms
- 9) What might cultured meat lead to a more secure supply of?
 - a) food
 - b) poultry
 - c) fast food
 - d) livestock
- 10) What technology has seen a steady rise regarding food products?
 - a) fast food engineering
 - b) biogenetics
 - c) GM tech
 - d) animal cell culture

ROLE PLAY

From <https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

Role A – Beef

You think beef is the best food. Tell the others three reasons why. Tell them what is wrong with their food. Also, tell the others which of these you like least (and why): tuna, avocado or bananas.

Role B – Tuna

You think tuna is the best food. Tell the others three reasons why. Tell them what is wrong with their food. Also, tell the others which of these you like least (and why): beef, avocado or bananas.

Role C – Avocado

You think avocado is the best food. Tell the others three reasons why. Tell them what is wrong with their food. Also, tell the others which of these you like least (and why): tuna, beef or bananas.

Role D – Bananas

You think bananas are the best food. Tell the others three reasons why. Tell them what is wrong with their food. Also, tell the others which of these you like least (and why): tuna, avocado or beef.

AFTER READING / LISTENING

From <https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

1. WORD SEARCH: Look in your dictionary / computer to find collocates, other meanings, information, synonyms ... for the words 'lab' and 'meat'.

| lab | meat |
|-----|------|
| | |

- Share your findings with your partners.
- Make questions using the words you found.
- Ask your partner / group your questions.

2. ARTICLE QUESTIONS: Look back at the article and write down some questions you would like to ask the class about the text.

- Share your questions with other classmates / groups.
- Ask your partner / group your questions.

3. GAP FILL: In pairs / groups, compare your answers to this exercise. Check your answers. Talk about the words from the activity. Were they new, interesting, worth learning...?

4. VOCABULARY: Circle any words you do not understand. In groups, pool unknown words and use dictionaries to find their meanings.

5. TEST EACH OTHER: Look at the words below. With your partner, try to recall how they were used in the text:

| | |
|--|---|
| <ul style="list-style-type: none">• approved• start• real• adjective• killed• adverse | <ul style="list-style-type: none">• start• sure• huge• drugs• role• cell |
|--|---|

LAB-GROWN MEAT SURVEY

From <https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

Write five GOOD questions about lab-grown meat in the table. Do this in pairs. Each student must write the questions on his / her own paper. When you have finished, interview other students. Write down their answers.

| | STUDENT 1 _____ | STUDENT 2 _____ | STUDENT 3 _____ |
|------|--------------------|--------------------|--------------------|
| Q.1. | | | |
| Q.2. | | | |
| Q.3. | | | |
| Q.4. | | | |
| Q.5. | | | |

- Now return to your original partner and share and talk about what you found out. Change partners often.
- Make mini-presentations to other groups on your findings.

LAB-GROWN MEAT DISCUSSION

STUDENT A's QUESTIONS (Do not show these to student B)

1. What did you think when you read the headline?
2. What images are in your mind when you hear the word 'lab'?
3. What do you think of meat?
4. Is it right to kill animals so we can eat meat?
5. What do you think of the idea of lab-grown meat?
6. Is lab-grown meat, for which no animals die, good for vegetarians?
7. Do you think the lab-grown meat is really real chicken?
8. What is "just" about the lab-grown chicken bites?
9. How could this technology transform the meat industry?
10. How could this technology adversely affect livestock farming?

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LAB-GROWN MEAT DISCUSSION

STUDENT B's QUESTIONS (Do not show these to student A)

11. Did you like reading this article? Why/not?
12. What do you think of when you hear the word 'meat'?
13. What do you think about what you read?
14. How happy would you be if lab-grown meat was very cheap?
15. Would you buy the lab-grown meat?
16. What do you think of all our food being grown in a lab?
17. Will this technology end animal cruelty?
18. Do you worry about the drugs in our meat and other food?
19. How will lab-grown meat help the global food supply?
20. What questions would you like to ask the CEO of Eat Just?

DISCUSSION (Write your own questions)

STUDENT A's QUESTIONS (Do not show these to student B)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

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DISCUSSION (Write your own questions)

STUDENT B's QUESTIONS (Do not show these to student A)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

LANGUAGE - CLOZE

From <https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

Singapore has (1) _____ the production, sale and consumption of meat manufactured in a lab. The lab-grown meat could be the start of a revolution (2) _____ the way we eat. Despite the cultured meat coming from bioreactors in a laboratory, it is, scientifically, real meat. To be more (3) _____, it is chicken. The "chicken bites" look and taste (4) _____ real chicken. The chicken is made by the U.S. company Eat Just. The "just" in the company's name is the adjective "just" ((5) _____ "fair") rather than the adverb that means "only". Josh Tetrick, the Eat Just CEO, said no animals are killed to make the meat. This has the potential to transform the meat industry. It could also have an (6) _____ impact on poultry and livestock farming.

Mr Tetrick believes Singapore's green light is just the start of a huge (7) _____ that will revolutionise meat manufacturing. He said: "I'm sure that our (8) _____ approval for cultured meat will be the first of many in...countries around the globe." He said lab-grown meat could lead to a huge reduction (9) _____ the environmental impact of livestock production and thus change the world for the better. We could see disease-free meat, an end to the use of drugs in meat, and an end to animal (10) _____. Tetrick added: "Cultured meat's role in creating a safer, more secure global food supply has... (11) _____ rise to a steady increase in the application of animal (12) _____ culture technology...of food products."

Put the correct words from the table below in the above article.

- | | | | | |
|-----|----------------|----------------|------------------|----------------|
| 1. | (a) proved | (b) approved | (c) approval | (d) proofed |
| 2. | (a) on | (b) in | (c) as | (d) at |
| 3. | (a) adjustable | (b) rectify | (c) incisor | (d) precise |
| 4. | (a) likelihood | (b) like | (c) liking | (d) livelihood |
| 5. | (a) meant | (b) meanie | (c) means | (d) meaning |
| 6. | (a) reverse | (b) inverse | (c) adverse | (d) obverse |
| 7. | (a) shake-up | (b) meltdown | (c) lockdown | (d) lockup |
| 8. | (a) regulates | (b) regulation | (c) regulatory | (d) regulate |
| 9. | (a) at | (b) on | (c) as | (d) in |
| 10. | (a) cruelty | (b) cruel | (c) cruelly | (d) gruel |
| 11. | (a) given | (b) eaten | (c) manufactured | (d) made |
| 12. | (a) cell | (b) call | (c) cull | (d) cede |

SPELLING

From <https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

Paragraph 1

1. Singapore has deppavor the production
2. meat coming from etbocariors
3. in a atorbaloyr
4. To be more peeirsc
5. the taopnetli to transform the meat industry
6. have an adverse impact on rloptuy

Paragraph 2

7. our leryrutgoa approval
8. meat iuracfnmatgun
9. lead to a huge doucenirt
10. impact of cevkoislt production
11. an end to animal ytelruc
12. the paoapliictn of animal cell culture

PUT THE TEXT BACK TOGETHER

From <https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

Number these lines in the correct order.

- () to transform the meat industry. It could also have an adverse impact on poultry and livestock farming.
- () see disease-free meat, an end to the use of drugs in meat, and an end to animal
- (**1**) Singapore has approved the production, sale and consumption of meat manufactured in a
- () lab. The lab-grown meat could be the start of a revolution in the way we eat. Despite the cultured
- () chicken. The "chicken bites" look and taste like real chicken. The chicken is made by the U.S.
- () Mr Tetrick believes Singapore's green light is just the start of a huge shake-up that will revolutionise meat
- () in the environmental impact of livestock production and thus change the world for the better. We could
- () rise to a steady increase in the application of animal cell culture technology...of food products."
- () meat coming from bioreactors in a laboratory, it is, scientifically, real meat. To be more precise, it is
- () company Eat Just. The "just" in the company's name is the adjective "just" (meaning "fair") rather than the adverb that
- () manufacturing. He said: "I'm sure that our regulatory approval for cultured meat will be the first
- () of many in...countries around the globe." He said lab-grown meat could lead to a huge reduction
- () cruelty. Tetrick added: "Cultured meat's role in creating a safer, more secure global food supply has...given
- () means "only". Josh Tetrick, the Eat Just CEO, said no animals are killed to make the meat. This has the potential

PUT THE WORDS IN THE RIGHT ORDER

From <https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

1. A revolution we in the way eat .
2. bites like look taste real Chicken and chicken
3. is "just" the the The in name adjective .
4. meat has potential to This the transform industry .
5. It on have impact adverse an poultry . could
6. just light start . is Singapore's the green
7. manufacturing . huge that meat A shake-up revolutionise will
8. of the Reduce livestock environmental impact production
9. use Bring to an the of end drugs .
10. cell animal culture application technology . of The

CIRCLE THE CORRECT WORD (20 PAIRS)

From <https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

Singapore has *approved* / *approval* the production, sale and consumption of meat manufactured in a lab. The lab-grown meat could be the start of a *revolution* / *revolting* in the way we eat. *Despite* / *Spite* the cultured meat coming from bioreactors in a laboratory, it is, *science* / *scientifically*, real meat. To be more precise, it is chicken. The "chicken bites" look and *tastes* / *taste* like real chicken. The chicken is made by the U.S. company Eat Just. The "just" in the company's name is the *conjunction* / *adjective* "just" (meaning "fair") rather than the *adverb* / *preposition* that means "only". Josh Tetrick, the Eat Just CEO, said no animals are *died* / *killed* to make the meat. This has the *potent* / *potential* to transform the meat industry. It could also have an adverse impact *in* / *on* poultry and livestock farming.

Mr Tetrick believes Singapore's green light is *just* / *justly* the start of a huge shake-up that will revolutionise meat manufacturing. He said: "I'm *surely* / *sure* that our regulatory approval for *cultural* / *cultured* meat will be the first of many in...countries around the globe." He said lab-grown meat could lead to a *huge* / *enormous* reduction in the environmental impact of *livelihood* / *livestock* production and thus change the world for *a* / *the* better. We could see disease-free meat, an end to the *user* / *use* of drugs in meat, and an end to animal *cruelty* / *cruel*. Tetrick added: "Cultured meat's role *in* / *on* creating a safer, more secure global food supply has...given rise to a steady increase in the *applied* / *application* of animal cell culture technology...of food products."

Talk about the connection between each pair of words in italics, and why the correct word is correct.

INSERT THE VOWELS (a, e, i, o, u)

From <https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

Singapore has approved the production, sale and consumption of meat manufactured in a lab. The lab-grown meat could be the start of a revolution in the way we eat. Despite the climate meat coming from factories in a laboratory, it is, scientifically, real meat. The big market prices, it is checked. The "checked but" look and taste look real checked. The checked is made by the U.S. company just. The "just" in the company's name is the adjective "just" (meaning for) rather than the adverb that means "only". Just Track, the just CEO, said in an interview he killed to make the meat. This has the potential to transform the meat industry. It could also have an impact on poultry and livestock farming.

Mr Track believes Singapore's green light is just the start of a huge shake-up that will revolutionise meat manufacturing. He said: "I'm sure that our regulatory approval for climate meat will be the first of many innovations around the globe." He said lab-grown meat could lead to a huge reduction in the environmental impact of livestock production and this change the world for the better. We could see disease-free meat, and then the use of drugs in meat, and then the animal cruelty. Track added: "Climate meat's real innovation is for, more socially global food supply has... given rise to a steady increase in the application of animal cell culture technology... of food products."

PUNCTUATE THE TEXT AND ADD CAPITALS

From <https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

singapore has approved the production sale and consumption of meat manufactured in a lab the labgrown meat could be the start of a revolution in the way we eat despite the cultured meat coming from bioreactors in a laboratory it is scientifically real meat to be more precise it is chicken the chicken bites look and taste like real chicken the chicken is made by the us company eat just the just in the companys name is the adjective just meaning "fair" rather than the adverb that means only josh tetrick the eat just ceo said no animals are killed to make the meat this has the potential to transform the meat industry it could also have an adverse impact on poultry and livestock farming

mr tetrick believes singapore's green light is just the start of a huge shakeup that will revolutionise meat manufacturing he said im sure that our regulatory approval for cultured meat will be the first of many in countries around the globe he said labgrown meat could lead to a huge reduction in the environmental impact of livestock production and thus change the world for the better we could see diseasefree meat an end to the use of drugs in meat and an end to animal cruelty tetrick added cultured meats role in creating a safer more secure global food supply has given rise to a steady increase in the application of animal cell culture technology of food products

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

Singapore has approved the production, sale and consumption of meat manufactured in a lab. The lab-grown meat could be the start of a revolution in the way we eat. Despite the cultured meat coming from a bioreactor in a laboratory, it is, scientifically, real meat. To be more precise, it is chicken. The "chicken bites" look and taste like real chicken. The chicken is made by the U.S. company Eat Just. The "just" in the company's name is the adjective "just" (meaning "fair") rather than the adverb that means "only". Josh Tetrick, the Eat Just CEO, said no animals are killed to make the meat. This has the potential to transform the meat industry. It could also have an adverse impact on poultry and livestock farming. Mr Tetrick believes Singapore's green light is just the start of a huge shake-up that will revolutionise meat manufacturing. He said: "I'm sure that our regulatory approval for cultured meat will be the first of many in... countries around the globe." He said lab-grown meat could lead to a huge reduction in the environmental impact of livestock production and thus change the world for the better. We could see disease-free meat, an end to the use of drugs in meat, and an end to animal cruelty. Tetrick added: "Cultured meat's role in creating a safer, more secure global food supply has... given rise to a steady increase in the application of animal cell culture technology... of food products."

FREE WRITING

From <https://breakingnewsenglish.com/2012/201209-lab-grown-meat.html>

Write about **lab-grown meat** for 10 minutes. Comment on your partner's paper.

HOMEWORK

1. VOCABULARY EXTENSION: Choose several of the words from the text. Use a dictionary or Google's search field (or another search engine) to build up more associations / collocations of each word.

2. INTERNET: Search the Internet and find out more about this news story. Share what you discover with your partner(s) in the next lesson.

3. LAB-GROWN MEAT: Make a poster about lab-grown meat. Show your work to your classmates in the next lesson. Did you all have similar things?

4. NO ANIMAL CRUELTY: Write a magazine article about lab-grown meat being necessary to end the need to be cruel to and kill animals. Include imaginary interviews with people who are for and against this.

Read what you wrote to your classmates in the next lesson. Write down any new words and expressions you hear from your partner(s).

5. WHAT HAPPENED NEXT? Write a newspaper article about the next stage in this news story. Read what you wrote to your classmates in the next lesson. Give each other feedback on your articles.

6. LETTER: Write a letter to an expert on lab-grown meat. Ask him/her three questions about it. Give him/her three of your opinions on it. Read your letter to your partner(s) in your next lesson. Your partner(s) will answer your questions.

ANSWERS

VOCABULARY (p.4)

1. c 2. a 3. g 4. b 5. e 6. d 7. f
8. k 9. l 10. n 11. i 12. j 13. m 14. h

TRUE / FALSE (p.5)

- a T b T c F d F e F f T g F h F

SYNONYM MATCH (p.5)

| | | | | |
|------|------|------|------|-------|
| 1. h | 2. e | 3. a | 4. j | 5. c |
| 6. d | 7. i | 8. g | 9. b | 10. f |

COMPREHENSION QUESTIONS (p.9)

1. A revolution in the way we eat
2. A bioreactor
3. Chicken
4. The meat industry
5. A huge shake-up
6. Regulatory approval
7. For the better
8. Animal cruelty
9. Food
10. Animal cell culture

WORDS IN THE RIGHT ORDER (p.20)

1. A revolution in the way we eat.
2. Chicken bites look and taste like real chicken
3. The "just" in the name is the adjective.
4. This has potential to transform the meat industry.
5. It could have an adverse impact on poultry.
6. Singapore's green light is just the start.
7. A huge shake-up that will revolutionise meat manufacturing.
8. Reduce the environmental impact of livestock production
9. Bring an end to the use of drugs.
10. The application of animal cell culture technology.

MULTIPLE CHOICE - QUIZ (p.10)

1. b 2. d 3. a 4. c 5. b 6. a 7. c 8. a 9. a 10. d

ALL OTHER EXERCISES

Please check for yourself by looking at the Article on page 2.
(It's good for your English ;-)