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Level 3

People eat first "Google burger"

8th August, 2013

http://www.breakingnewsenglish.com/1308/130808-stem_cell_burgers.html

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Please try Levels 0, 1 and 2 (they are easier).

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THE ARTICLE

From http://www.BreakingNewsEnglish.com/1308/130808-stem_cell_burgers.html

Two food critics have eaten meat that was grown in a lab. It is the first time anyone has eaten artificial meat. The experiment is part of a project run by Google co-founder Sergey Brin. He invested over \$380,000 in research for the burger. It took a team of scientists at a university in Holland over two months to grow the meat for the patty. They used stem cells from a cow and grew 20,000 tiny pieces of meat. These were mixed with salt, egg powder, breadcrumbs and other ingredients to make the burger. Mr Brin hopes artificial meat will become part of our diets in ten years. He wants to stop animals from being killed for food. He also knows stem-cell meat will be better for the environment.

Mr Brin's burger was put to the taste test on Monday. Two food experts tried the beef burger. An English chef fried it in sunflower oil and butter. Austrian food scientist Hanni Rutzler said it was "close to meat" but it "lacked juiciness". She also thought it was a little harder than she expected. US author Josh Schonwald commented that it was a little dry but was like a real burger. He said: "The absence is the fat. It has a leanness but the bite feels like a conventional hamburger." Many journalists wanted a taste, but there was only one burger. Lead researcher Mark Post said he would give any leftovers to his children. He said cells taken from one cow could produce 175 million burgers.

Sources: <http://www.mirror.co.uk/news/uk-news/worlds-first-lab-grown-beef-burger-2127451#ixzz2bBEeqQB8>
<http://uk.reuters.com/article/2013/08/06/us-science-meat-in-vitro-idUKBRE9740PL20130806>
<http://www.theguardian.com/science/2013/aug/05/google-sergey-brin-synthetic-beef-hamburger>

WARM-UPS

1. BURGERS: Students walk around the class and talk to other students about burgers. Change partners often and share your findings.

2. CHAT: In pairs / groups, decide which of these topics or words from the article are most interesting and which are most boring.

food critics / artificial / meat / experiment / project / research / ingredients / animals / the taste test / food experts / juiciness / fat / hamburger / leftovers / stem cells

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

3. CHANGED FOOD: What do you think of these? Complete this table with your partner(s). Change partners often and share what you wrote.

	Good points	Bad points
Stem-cell burger		
5-kg tomato		
Lemonapple fruit		
Pink vegetables		
Alcoholic grapes		
Sweet fish		

4. STEM-CELL FOOD: Students A **strongly** believe stem-cell food is great for the future; Students B **strongly** believe natural is best. Change partners again and talk about your conversations.

5. STEM CELLS: Rank these and share your rankings with your partner. Put the best uses for stem cells at the top. Change partners often and share your rankings.

- to make burgers
- to grow new hearts and lungs
- to test new medicine
- to bring back extinct animals
- to make new animals
- to cure disease
- to produce blood
- to have designer babies

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

BEFORE READING / LISTENING

From http://www.BreakingNewsEnglish.com/1308/130808-stem_cell_burgers.html

1. TRUE / FALSE:

Read the headline. Guess if a-h below are true (T) or false (F).

- | | |
|----------------------------------------------------------------------------|-------|
| a. There is a new chain of fast food restaurants called Google Burger. | T / F |
| b. A founder of Google invested over \$380,000 in research for the burger. | T / F |
| c. Scientists grew around 20,000 pieces of meat to make one burger. | T / F |
| d. A Google boss hopes his new burger will mean fewer animals are killed. | T / F |
| e. A French chef in Paris cooked the new burger. | T / F |
| f. A food scientist said the new burger was very juicy. | T / F |
| g. Journalists did not get the chance to taste the burger. | T / F |
| h. 175 million cows die every year so we can eat burgers. | T / F |

2. SYNONYM MATCH:

Match the following synonyms from the article.

- | | |
|--------------------|-----------------|
| 1. critics | a. near |
| 2. artificial | b. venture |
| 3. project | c. specialists |
| 4. tiny | d. normal |
| 5. the environment | e. judges |
| 6. experts | f. uneaten food |
| 7. close | g. small |
| 8. absence | h. nature |
| 9. conventional | i. lack |
| 10. leftovers | j. man-made |

3. PHRASE MATCH:

(Sometimes more than one choice is possible.)

- | | |
|------------------------------------------|--------------------------------|
| 1. eaten meat that was | a. taste test |
| 2. the first time anyone has eaten | b. for the environment |
| 3. He invested over \$380,000 | c. to his children |
| 4. egg powder, breadcrumbs | d. in research |
| 5. stem-cell meat will be better | e. and other ingredients |
| 6. put to the | f. grown in a lab |
| 7. An English chef fried it | g. it "lacked juiciness" |
| 8. it was "close to meat" but | h. produce 175 million burgers |
| 9. Post said he would give any leftovers | i. artificial meat |
| 10. cells taken from one cow could | j. in sunflower oil |

GAP FILL

From http://www.BreakingNewsEnglish.com/1308/130808-stem_cell_burgers.html

Two food critics have eaten meat that was grown in a (1) _____. It is the first time anyone has eaten (2) _____ meat. The experiment is part of a project run by Google co-(3) _____ Sergey Brin. He invested over \$380,000 in research for the burger. It took a team of scientists at a university in Holland over two months to grow the meat for the patty. They used (4) _____ cells from a cow and grew 20,000 (5) _____ pieces of meat. These were mixed with salt, egg powder, breadcrumbs and other (6) _____ to make the burger. Mr Brin hopes artificial meat will become part of our diets in ten years. He wants to (7) _____ animals from being killed for food. He also knows stem-cell meat will be (8) _____ for the environment.

ingredients

stem

artificial

better

lab

stop

founder

tiny

Mr Brin's burger was put to the taste (9) _____ on Monday. Two food experts tried the beef burger. An English (10) _____ fried it in sunflower oil and butter. Austrian food scientist Hanni Rutzler said it was "close to meat" but it "(11) _____ juiciness". She also thought it was a little harder than she (12) _____. US author Josh Schonwald commented that it was a little dry but was like a real burger. He said: "The absence is the (13) _____. It has a leanness but the bite feels like a (14) _____ hamburger." Many journalists wanted a (15) _____, but there was only one burger. Lead researcher Mark Post said he would give any (16) _____ to his children. He said cells taken from one cow could produce 175 million burgers.

taste

expected

chef

conventional

leftovers

test

lacked

fat

LISTENING – Guess the answers. Listen to check

From http://www.BreakingNewsEnglish.com/1308/130808-stem_cell_burgers.html

- 1) Two food critics have eaten meat that was _____
 - a. grown in a lab
 - b. growing in a lab
 - c. grow on in a lab
 - d. grow in a lab
- 2) It is the first time anyone has _____
 - a. eaten artificially meat
 - b. eaten official meat
 - c. eaten art official meat
 - d. eaten are tea fish all meat
- 3) They used stem cells from a cow and grew 20,000 _____ meat
 - a. tinny pieces of
 - b. teeny pieces of
 - c. tie knee pieces of
 - d. tiny pieces of
- 4) These were mixed with salt, egg powder, breadcrumbs _____
 - a. and another ingredients
 - b. and others ingredients
 - c. and other ingredients
 - d. and the other ingredients
- 5) He also knows stem-cell meat will be better _____
 - a. for this environment
 - b. for our environment
 - c. for that environment
 - d. for the environment
- 6) Mr Brin's burger was put to the _____ Monday
 - a. taste tested on
 - b. tasty test on
 - c. taste test on
 - d. tasty tested on
- 7) An English chef fried it in _____ butter
 - a. sun, flower, oil and
 - b. sunflower, oil and
 - c. sunflower oil and
 - d. sun, flower-oil and
- 8) Hanni Rutzler said it was "close to meat" but _____
 - a. it slacked juiciness
 - b. it lacked juiciness
 - c. it racked juiciness
 - d. it racket juiciness
- 9) the bite feels like a _____
 - a. conventional hamburger
 - b. convention all hamburger
 - c. convenient all hamburger
 - d. convention hamburger
- 10) Lead researcher Mark Post said he would _____ to his children
 - a. give any leftover
 - b. give any leftovers
 - c. give any over left
 - d. give any overs left

LISTENING – Listen and fill in the gaps

From http://www.BreakingNewsEnglish.com/1308/130808-stem_cell_burgers.html

Two food critics have eaten meat (1) _____ a lab. It is the first time anyone has eaten artificial meat. The experiment is part of a project run by Google co-founder Sergey Brin. (2) _____ \$380,000 in research for the burger. It took a team of scientists at a university in Holland over (3) _____ the meat for the patty. They used stem cells from a cow and grew 20,000 (4) _____. These were mixed with salt, egg powder, breadcrumbs and (5) _____ to make the burger. Mr Brin hopes artificial meat will become (6) _____ in ten years. He wants to stop animals from being killed for food. He also knows stem-cell meat will be better for the environment.

Mr Brin's burger was put (7) _____ on Monday. Two food experts tried the beef burger. An English chef fried it in sunflower oil and butter. Austrian food scientist Hanni Rutzler (8) _____ meat" but it "lacked juiciness". She also thought (9) _____ than she expected. US author Josh Schonwald commented that it was a little dry but was like a real burger. He said: "The (10) _____. It has a leanness (11) _____ like a conventional hamburger." Many journalists wanted a taste, but there was only one burger. Lead researcher Mark Post said he would (12) _____ to his children. He said cells taken from one cow could produce 175 million burgers.

COMPREHENSION QUESTIONS

From http://www.BreakingNewsEnglish.com/1308/130808-stem_cell_burgers.html

1. How many people ate the new burger?

2. What is it the first time that people did?

3. How long did the stem cells take to grow?

4. When does Mr Brin hope we will all eat stem-cell meat?

5. What does Mr Brin think stem-cell meat will be good for?

6. What was the nationality of the chef who cooked the burger?

7. What oil was used to fry the burger?

8. What did a scientist say the burger lacked?

9. Who wanted to taste the burger, but couldn't?

10. How many cows could make 175,000,000 burgers?

MULTIPLE CHOICE - QUIZ

From http://www.BreakingNewsEnglish.com/1308/130808-stem_cell_burgers.html

1. How many people ate the new burger?
 - a) 200
 - b) 2
 - c) 202
 - d) 222
2. What is it the first time people did?
 - a) grew food in a lab
 - b) invested in a project
 - c) ate man-made meat
 - d) ran a project by Google
3. How long did the stem cells take to grow?
 - a) around 2 days
 - b) around 20 days
 - c) around 2 weeks
 - d) around 2 months
4. When does Mr Brin hope we will all eat stem-cell meat?
 - a) later this year
 - b) in 10 years
 - c) early next year
 - d) in the next century
5. What does Mr Brin think stem-cell meat will be good for?
 - a) the environment
 - b) our health
 - c) burger restaurants
 - d) stem cells
6. What was the nationality of the chef who cooked the burger?
 - a) British
 - b) French
 - c) Austrian
 - d) Argentinian
7. What oil was used to fry the burger?
 - a) olive oil
 - b) corn oil
 - c) vegetable oil
 - d) sunflower oil
8. What did a scientist say the burger lacked?
 - a) meatiness
 - b) flavour
 - c) juiciness
 - d) taste
9. Who wanted to taste the burger, but couldn't?
 - a) Sergey Brin
 - b) McDonald's bosses
 - c) children
 - d) reporters
10. How many cows could make 175,000,000 burgers?
 - a) 86 million
 - b) 1
 - c) 175
 - d) all the cows in the USA

ROLE PLAY

From http://www.BreakingNewsEnglish.com/1308/130808-stem_cell_burgers.html

Role A – Sergey Brin

You are very excited about the future of stem-cell meat. Tell the others three reasons why. You think all burger producers and restaurants need to change to stem-cell burgers. Your burgers will be tastier and healthier than today's burgers. Maybe Google Burger will be bigger than McDonald's.

Role B – Food critic

You don't like the idea of stem-cell meat. Tell the others three reasons why. Food is food and it should come from the farm, not the lab. You don't think stem-cell meat will be popular. People will always like real meat. You also think a Google Burger restaurant will fail.

Role C – Environmentalist

You love the idea of stem-cell meat. Tell the others three reasons why. Once people know that millions of cows will not die, and millions of trees will not be cut down, everyone will like the idea. It is time to start an environmentally-friendly burger restaurant chain. Google Burger could be it.

Role D – Boss of McDonald's

You think stem-cell meat is dangerous. Tell the others three reasons why. People trust McDonald's. Only McDonald's knows how to produce beef and protect the environment. Tell the others McDonald's burgers are very healthy. Tell them that Google Burger will not be popular.

AFTER READING / LISTENING

From http://www.BreakingNewsEnglish.com/1308/130808-stem_cell_burgers.html

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

stem	cell

- 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">• first• research• months• egg• diets• better	<ul style="list-style-type: none">• test• oil• dry• bite• journalists• 175
--------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------

BURGERS SURVEY

From http://www.BreakingNewsEnglish.com/1308/130808-stem_cell_burgers.html

Write five GOOD questions about burgers 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.

BURGERS DISCUSSION

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

- a) What did you think when you read the headline?
- b) What springs to mind when you hear the word 'burger'?
- c) How important are burgers in your life?
- d) What do you think about stem-cell burgers?
- e) Are you surprised a Google boss invested in this project?
- f) Why are burgers so popular around the world?
- g) Do you think we'll be eating stem-cell burgers in ten years?
- h) Are stem-cell burgers good if fewer cows die?
- i) Should we all eat stem-cell food if it helps the environment?
- j) What questions would you like to ask the boss of McDonald's?

People eat first "Google burger" – 8th August, 2013
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BURGERS DISCUSSION

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

- a) Did you like reading this article? Why/not?
- b) Would you like to taste the new stem-cell burger?
- c) Does the new burger need to be exactly like a "real" burger?
- d) Is the stem-cell burger better because it has no fat?
- e) Do you think McDonald's is worried about the stem-cell burger?
- f) Do you think cattle farmers are worried about the stem-cell burger?
- g) Would you let your children eat the new stem-cell burger?
- h) "Stem-cell burger" isn't such a good name. What's a better name?
- i) Should Google open a burger chain to compete with McDonald's?
- j) What questions would you like to ask Google's Sergey Brin?

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. _____

MULTIPLE CHOICE - LANGUAGE

From http://www.BreakingNewsEnglish.com/1308/130808-stem_cell_burgers.html

Two food critics have eaten meat that was (1) _____ in a lab. It is the first time anyone has eaten (2) _____ meat. The experiment is part of a project run by Google co-founder Sergey Brin. He (3) _____ over \$380,000 in research for the burger. It took a team of scientists at a university in Holland over two months to grow the meat for the patty. They used stem cells from a cow and grew 20,000 (4) _____ pieces of meat. These were mixed with salt, egg powder, breadcrumbs and other (5) _____ to make the burger. Mr Brin hopes artificial meat will become part of our diets in ten years. He wants to stop animals from being killed for food. He also knows stem-cell meat will be (6) _____ for the environment.

Mr Brin's burger was (7) _____ to the taste test on Monday. Two food experts tried the beef burger. An English chef fried it (8) _____ sunflower oil and butter. Austrian food scientist Hanni Rutzler said it was "close to meat" but it "lacked juiciness". She also thought it was a little (9) _____ than she expected. US author Josh Schonwald commented that it was a little dry but was like a real burger. He said: "The absence is the fat. It has a leanness but the bite feels like a (10) _____ hamburger." Many journalists wanted a (11) _____, but there was only one burger. Lead researcher Mark Post said he would give any (12) _____ to his children. He said cells taken from one cow could produce 175 million burgers.

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

- | | | | | |
|-----|-----------------|----------------|------------------|----------------|
| 1. | (a) growth | (b) grown | (c) grew | (d) growing |
| 2. | (a) material | (b) commercial | (c) official | (d) artificial |
| 3. | (a) invest | (b) invested | (c) investing | (d) investment |
| 4. | (a) tinny | (b) tinted | (c) tiny | (d) tin |
| 5. | (a) ingredients | (b) recipes | (c) cooking | (d) sauces |
| 6. | (a) better | (b) well | (c) greatness | (d) goodness |
| 7. | (a) done | (b) had | (c) tasted | (d) put |
| 8. | (a) in | (b) at | (c) of | (d) from |
| 9. | (a) hardly | (b) harder | (c) hard | (d) hardness |
| 10. | (a) convenience | (b) convoy | (c) conventional | (d) conviction |
| 11. | (a) waste | (b) paste | (c) taste | (d) haste |
| 12. | (a) stem cells | (b) leftovers | (c) chefs | (d) patties |

SPELLING

From http://www.BreakingNewsEnglish.com/1308/130808-stem_cell_burgers.html

Paragraph 1

1. food sictric
2. He invested over \$380,000 in secahrer
3. 20,000 inyt pieces of meat
4. egg powder, breadcrumbs and other eisrtnndgeni
5. carlftaiii meat will become part of our diets
6. better for the meevinrnont

Paragraph 2

7. food spetexr
8. it lacked iejncssiu
9. a little harder than she cxeepted
10. the bite feels like a tnnlveoocian hamburger
11. stojiulrsan wanted a taste
12. give any vselotref to his children

PUT THE TEXT BACK TOGETHER

From http://www.BreakingNewsEnglish.com/1308/130808-stem_cell_burgers.html

Number these lines in the correct order.

- () only one burger. Lead researcher Mark Post said he would give any leftovers to
- () fried it in sunflower oil and butter. Austrian food scientist Hanni Rutzler said it was "close to meat" but it "lacked
- () juiciness". She also thought it was a little harder than she expected. US author Josh Schonwald commented that it was a little
- () like a conventional hamburger." Many journalists wanted a taste, but there was
- () animals from being killed for food. He also knows stem-cell meat will be better for the environment.
- (**1**) Two food critics have eaten meat that was grown in a lab. It is the first time anyone has eaten artificial
- () pieces of meat. These were mixed with salt, egg powder, breadcrumbs and other
- () dry but was like a real burger. He said: "The absence is the fat. It has a leanness but the bite feels
- () over \$380,000 in research for the burger. It took a team of scientists at a university in Holland over
- () two months to grow the meat for the patty. They used stem cells from a cow and grew 20,000 tiny
- () his children. He said cells taken from one cow could produce 175 million burgers.
- () meat. The experiment is part of a project run by Google co-founder Sergey Brin. He invested
- () ingredients to make the burger. Mr Brin hopes artificial meat will become part of our diets in ten years. He wants to stop
- () Mr Brin's burger was put to the taste test on Monday. Two food experts tried the beef burger. An English chef

PUT THE WORDS IN THE RIGHT ORDER

From http://www.BreakingNewsEnglish.com/1308/130808-stem_cell_burgers.html

1. that meat eaten have critics Food lab a in grown was.

2. time anyone has eaten artificial meat It is the first.

3. become will meat Artificial years ten in diets our of part.

4. from for wants animals killed He stop being food to.

5. - cell meat will be better for the environment Stem.

6. burger Brin's Mr Monday on test taste the to put was.

7. in sunflower oil and butter An English chef fried it.

8. a wanted Journalists burger one only was there but taste, .

9. any leftovers He to would his give children.

10. could cow One burgers million 175 produce.

CIRCLE THE CORRECT WORD (20 PAIRS)

From http://www.BreakingNewsEnglish.com/1308/130808-stem_cell_burgers.html

Two food critics have eaten meat that was *grown / growth* in a lab. It is the first time anyone has *eating / eaten* artificial meat. The experiment is part of a project *run / ran* by Google co-founder Sergey Brin. He invested over \$380,000 in research for the burger. It *took/ did* a team of scientists at a university in Holland over two months to grow the meat for the *party / patty*. They used stem cells *from / for* a cow and grew 20,000 *tinny / tiny* pieces of meat. These were mixed with salt, egg powder, breadcrumbs and other *ingredient / ingredients* to make the burger. Mr Brin hopes artificial meat will become part of our *dietary / diets* in ten years. He wants to stop animals from being killed for food. He also knows stem-cell meat will be *better / well* for the environment.

Mr Brin's burger was *let / put* to the taste test on Monday. Two food experts tried the beef burger. An English *chief / chef* fried it in sunflower oil and butter. Austrian food *science / scientist* Hanni Rutzler said it was "close to meat" but it "*lacked / lacking* juiciness". She also thought it was a little harder than she *expectation / expected*. US author Josh Schonwald commented that it was a *little / small* dry but was like a real burger. He said: "The *absent / absence* is the fat. It has a leanness but the *bit / bite* feels like a conventional hamburger." Many journalists wanted a taste, but there was only one burger. Lead researcher Mark Post said he would give any *leftovers / afters* to his children. He said cells taken from one cow could *produce / production* 175 million burgers.

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 http://www.BreakingNewsEnglish.com/1308/130808-stem_cell_burgers.html

Two food critics have met the two grown-up
lamb. The first time, they had the first cell
meat. The experiment is part of a project run by
Guglielmo Ciferri and Sergio Brun. He invested over
\$380,000 in research for the burger. It took them five
scintillating years in Holland over two months
to grow the meat for the party. They sold stem cells
from cow and grew 20,000 tiny pieces of meat.
This was mixed with salt, pepper, breadcrumbs
and other ingredients to make the burger. Mr Brun
hopes the first meal will be a part of a diet
in ten years. He wants to stop animals from being
killed for food. He also knows stem-cell meat will be
better for the environment.

Mr Brun's burger was part of the test test in Monday.
Two food experts tried the beef burger. An English
chef found it so soft and so bland that he
found scientist Hannes Ritzler said it was "classy
meat" but it "lacked juiciness". She also thought it
was a little harder than she expected. So then
Schneider commented that it was a little dry but was
like a real burger. He said: "The basic is the first.
The high-quality innards but the best of the best
conversion into lamb burger." Many journalists wanted
to test, but there was only one burger. Lead researcher
Mark Post said he would give any left-over to his
children. He said cells taken from cow could
produce 175 million burgers.

PUNCTUATE THE TEXT AND ADD CAPITALS

From http://www.BreakingNewsEnglish.com/1308/130808-stem_cell_burgers.html

two food critics have eaten meat that was grown in a lab it is the first time anyone has eaten artificial meat the experiment is part of a project run by google co-founder sergey brin he invested over \$380000 in research for the burger it took a team of scientists at a university in holland over two months to grow the meat for the patty they used stem cells from a cow and grew 20000 tiny pieces of meat these were mixed with salt egg powder breadcrumbs and other ingredients to make the burger mr brin hopes artificial meat will become part of our diets in ten years he wants to stop animals from being killed for food he also knows stem-cell meat will be better for the environment

mr brin's burger was put to the taste test on monday two food experts tried the beef burger an english chef fried it in sunflower oil and butter austrian food scientist hanni rutzler said it was "close to meat" but it "lacked juiciness" she also thought it was a little harder than she expected us author josh schonwald commented that it was a little dry but was like a real burger he said "the absence is the fat it has a leanness but the bite feels like a conventional hamburger" many journalists wanted a taste but there was only one burger lead researcher mark post said he would give any leftovers to his children he said cells taken from one cow could produce 175 million burgers

PUT A SLASH (/) WHERE THE SPACES ARE

From http://www.BreakingNewsEnglish.com/1308/130808-stem_cell_burgers.html

Two food critics have eaten meat that was grown in a lab. It is the first time anyone has eaten artificial meat. The experiment is part of a project run by Google co-founder Sergey Brin. He invested over \$380,000 in research for the burger. It took a team of scientists at a university in Holland over two months to grow the meat for the patty. They used stem cells from a cow and grew 20,000 tiny pieces of meat. These were mixed with salt, egg powder, breadcrumbs and other ingredients to make the burger. Mr Brin hopes artificial meat will become part of our diets in ten years. He wants to stop animals from being killed for food. He also knows stem-cell meat will be better for the environment. Mr Brin's burger was put to the taste test on Monday. Two food experts tried the beef burger. An English chef fried it in sunflower oil and butter. Austrian food scientist Hanni Rutzler said it was "close to meat" but it "lacked juiciness". She also thought it was a little harder than she expected. US author Josh Schonwald commented that it was a little dry but was like a real burger. He said: "The absence is the fat. It has a leanness but the bite feels like a conventional hamburger." Many journalists wanted to taste, but there was only one burger. Lead researcher Mark Post said he would give any leftover to his children. He said cell taken from one cow could produce 175 million burgers.

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 burgers. Share what you discover with your partner(s) in the next lesson.

3. BURGERS: Make a poster about burgers. Show your work to your classmates in the next lesson. Did you all have similar things?

4. ARTIFICIAL: Write a magazine article about the artificial, stem-cell burger. Include imaginary interviews with people who are for and against it.

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 a food expert. Ask him/her three questions about artificial burgers. Give him/her three of your opinions on them. Read your letter to your partner(s) in your next lesson. Your partner(s) will answer your questions.

ANSWERS

TRUE / FALSE (p.4)

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

SYNONYM MATCH (p.4)

- | | |
|--------------------|-----------------|
| 1. critics | a. judges |
| 2. artificial | b. man-made |
| 3. project | c. venture |
| 4. tiny | d. small |
| 5. the environment | e. nature |
| 6. experts | f. specialists |
| 7. close | g. near |
| 8. absence | h. lack |
| 9. conventional | i. normal |
| 10. leftovers | j. uneaten food |

COMPREHENSION QUESTIONS (p.8)

1. Two
2. Ate artificial meat
3. Over 2 months
4. In 10 years
5. The environment
6. English
7. Sunflower oil
8. Juiciness
9. Journalists
10. One

MULTIPLE CHOICE - QUIZ (p.9)

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

ALL OTHER EXERCISES

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