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Level 3 – 13th January, 2022

Man gets first ever pig-heart transplant

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<https://breakingnewsenglish.com/2201/220113-pig-heart-transplant.html>

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

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THE ARTICLE

From <https://breakingnewsenglish.com/2201/220113-pig-heart-transplant.html>

Doctors in the USA have transplanted a pig's heart into a man. It is the first time this has happened. The doctors are from the University of Maryland Medical Center. They say David Bennett, 57, is doing well after his operation. Mr Bennett was very ill. The doctors said giving him the pig's heart was the only chance of keeping him alive. Bennett spoke to doctors the day before the operation. He said: "It was either die or do this transplant. I want to live. I know it's a shot in the dark, but it's my last choice." The pig's heart came from a genetically-modified pig. Scientists changed the genes of the pig so its heart would be more suitable for a transplant into a human.

The transplant operation took seven hours. Doctors received special permission from U.S. authorities for the experimental surgery. Without it, Mr Bennett would have died. Scientists have been researching pig-organ transplants for years. They believe Mr Bennett's transplant means more transplants could take place in the future. They said this could bring the world, "one step closer to solving the organ shortage crisis". Surgeon Dr Bartley Griffith said: "We are also optimistic that this first-in-the-world surgery will provide an important new option for patients in the future." Mr Bennett hopes his transplant will allow him to live longer. He said: "I look forward to getting out of bed after I recover."

Sources: <https://www.bbc.com/news/world-us-canada-59944889>
<https://www.theage.com.au/world/north-america/breakthrough-pig-heart-transplant-performed-in-us-20220111-p59ncw.html>
<https://www.sciencealert.com/us-surgeons-successfully-implant-pig-heart-into-a-human-with-end-stage-heart-disease>

WARM-UPS

1. HEART TRANSPLANTS: Students walk around the class and talk to other students about heart transplants. 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?

doctors / pig / heart / transplant / ill / operation / a shot in the dark / choice / genes / permission / experimental / the future / shortage / crisis / optimistic / option / bed

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

3. ANIMAL ORGANS: Students A **strongly** believe it is great we can use animal organs for transplants; Students B **strongly** believe that's not a good idea. Change partners again and talk about your conversations.

4. OPTIMISTIC: Are you optimistic or pessimistic about the future? Complete this table with your partner(s). Change partners often and share what you wrote.

	Optimistic	Pessimistic
Pandemics		
Health		
Climate		
Technology		
War		
Family		

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

6. ORGANS: Rank these with your partner. Put the most difficult to transplant at the top. Change partners often and share your rankings.

- Heart
- Lungs
- Brain
- Skin
- Kidney
- Liver
- Stomach
- Pancreas

VOCABULARY MATCHING

Paragraph 1

- | | |
|-----------------------|--|
| 1. transplanted | a. Right for a particular person, purpose, or situation. |
| 2. operation | b. Took something from one body and put it in another body. |
| 3. ill | c. An action whose result cannot know. |
| 4. alive | d. An act of doctors cutting someone's body to make it better. |
| 5. a shot in the dark | e. Living, not dead. |
| 6. genes | f. Being sick or having a disease; feeling unwell. |
| 7. suitable | g. The thing in our body that holds information about us and passes that information on to babies. |

Paragraph 2

- | | |
|----------------|--|
| 8. permission | h. The action of allowing someone to do a particular thing. |
| 9. take place | i. Return to a normal state of health, mind, or strength. |
| 10. organ | j. Happen. |
| 11. shortage | k. Hopeful and confident about the future. |
| 12. crisis | l. A part of the body (like the heart lungs, brain, etc.) that has a special function. |
| 13. optimistic | m. A situation where there is not enough of something. |
| 14. recover | n. A time of great difficulty or danger. |

BEFORE READING / LISTENING

From <https://breakingnewsenglish.com/2201/220113-pig-heart-transplant.html>

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

1. Doctors in China carried out the first pig-heart transplant. **T / F**
2. The man who needed the heart was very ill before the operation. **T / F**
3. The man said the transplant was his last choice. **T / F**
4. Scientists did not need to change the genes of the pig. **T / F**
5. The heart transplant took 17 hours. **T / F**
6. Doctors needed special permission from the WHO to do the transplant. **T / F**
7. Pig organs could help to solve a shortage in organs for transplant. **T / F**
8. The man is looking forward to getting out of bed. **T / F**

2. SYNONYM MATCH: (The words in **bold** are from the news article.)

- | | |
|----------------------|----------------|
| 1. happened | a. pass away |
| 2. operation | b. nearer |
| 3. chance | c. acceptable |
| 4. die | d. think |
| 5. suitable | e. occurred |
| 6. permission | f. get better |
| 7. believe | g. surgery |
| 8. closer | h. give |
| 9. provide | i. clearance |
| 10. recover | j. opportunity |

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

- | | |
|---|---------------------|
| 1. It is the first time this | a. took seven hours |
| 2. doing well after | b. patients |
| 3. I know it's a shot | c. of the pig |
| 4. Scientists changed the genes | d. out of bed |
| 5. its heart would | e. has happened |
| 6. The transplant operation | f. his operation |
| 7. one step closer to solving the organ | g. to live longer |
| 8. provide an important new option for | h. be more suitable |
| 9. his transplant will allow him | i. shortage |
| 10. I look forward to getting | j. in the dark |

GAP FILL

From <https://breakingnewsenglish.com/2201/220113-pig-heart-transplant.html>

Doctors in the USA have transplanted a pig's heart into a man. It is the first (1) _____ this has happened. The doctors are from the University of Maryland Medical Center. They say David Bennett, 57, is doing (2) _____ after his operation. Mr Bennett was very (3) _____. The doctors said giving him the pig's heart was the only (4) _____ of keeping him alive. Bennett spoke to doctors the day before the operation. He said: "It was (5) _____ die or do this transplant. I want to live. I know it's a shot in the dark, but it's my last (6) _____." The pig's heart came from a genetically-modified pig. Scientists changed the (7) _____ of the pig so its heart would be more (8) _____ for a transplant into a human.

choice

time

ill

genes

either

suitable

well

chance

The transplant (9) _____ took seven hours. Doctors received special permission from U.S. authorities for the experimental (10) _____. Without it, Mr Bennett would have died. Scientists have been researching pig-organ transplants for years. They believe Mr Bennett's transplant means more transplants could take (11) _____ in the future. They said this could bring the world, "one step closer to solving the organ shortage (12) _____". Surgeon Dr Bartley Griffith said: "We are also (13) _____ that this first-in-the-world surgery will provide an important new (14) _____ for patients in the future." Mr Bennett hopes his transplant will allow him to live (15) _____. He said: "I look forward to getting out of bed after I (16) _____."

place

optimistic

operation

recover

crisis

longer

surgery

option

LISTENING – Guess the answers. Listen to check.

From <https://breakingnewsenglish.com/2201/220113-pig-heart-transplant.html>

- 1) Doctors in the USA have transplanted a pig's heart _____
 - a. onto a man
 - b. unto a man
 - c. into a man
 - d. as to a man
- 2) The doctors said giving him the pig's heart was the only chance of _____
 - a. keep ping him alive
 - b. keep ping him lively
 - c. keeping him a life
 - d. keeping him alive
- 3) It was either die or do this transplant. I want to live. I know it's a shot _____
 - a. in the dark
 - b. in the bark
 - c. in the lark
 - d. in the park
- 4) The pig's heart came from a genetically-_____
 - a. modify pig
 - b. muddy fried pig
 - c. nodding fried pig
 - d. modified pig
- 5) Scientists changed the genes of the pig so its heart would _____
 - a. be more sue table
 - b. be more suitable
 - c. be more suit a ball
 - d. beam ore soot table
- 6) special permission from U.S. authorities for _____
 - a. the experimetry all surgery
 - b. the ex perimeter surgery
 - c. the experimental surgery
 - d. the ex pear-rim mental surgery
- 7) this could bring the world one step closer to solving the _____
 - a. organ shortages crises
 - b. organ short age crises
 - c. organ shore stage cry sis
 - d. organ shortage crisis
- 8) optimistic that this first-in-the-world surgery will provide an _____
 - a. important new option
 - b. importance new option
 - c. important news option
 - d. important new operation
- 9) Mr Bennett hopes his transplant will allow him _____
 - a. tool live longer
 - b. too life longer
 - c. to lively longer
 - d. to live longer
- 10) I look forward to getting out of bed _____
 - a. after I recovers
 - b. after I recover
 - c. after I recovery
 - d. after I re-cover

LISTENING – Listen and fill in the gaps

From <https://breakingnewsenglish.com/2201/220113-pig-heart-transplant.html>

Doctors in the USA have transplanted a pig's heart (1) _____. It is the first time this has happened. The doctors are from the University of Maryland Medical Center. They say David Bennett, 57, is (2) _____ his operation. Mr Bennett was very ill. The doctors said giving him the pig's heart was the (3) _____ keeping him alive. Bennett spoke to doctors the day before the operation. He said: "It was (4) _____ do this transplant. I want to live. I know it's a shot in the dark, but it's (5) _____." The pig's heart came from a genetically-modified pig. Scientists changed the genes of the pig so its heart would be (6) _____ a transplant into a human.

The transplant operation (7) _____. Doctors received special permission from U.S. authorities for the experimental surgery. Without it, Mr Bennett (8) _____. Scientists have been researching pig-organ transplants for years. They believe Mr Bennett's transplant means more transplants could (9) _____ the future. They said this could bring the world, "one step closer to solving the organ shortage crisis". Surgeon Dr Bartley Griffith said: "We are also optimistic (10) _____-in-the-world surgery will provide an important new option for patients in the future." Mr Bennett hopes his transplant will allow him (11) _____. He said: "I look forward to getting out of bed (12) _____."

COMPREHENSION QUESTIONS

From <https://breakingnewsenglish.com/2201/220113-pig-heart-transplant.html>

1. In which country did this operation take place?
2. How old is the heart transplant patient?
3. When did Mr Bennett speak to doctors?
4. What kind of pig did the heart come from?
5. What did scientists change in the pig?
6. How long did the operation take?
7. Who did doctors need special permission from?
8. What crisis might the world be one step closer to solving?
9. How does the man's surgeon feel?
10. What is the man looking forward to doing?

MULTIPLE CHOICE - QUIZ

From <https://breakingnewsenglish.com/2201/220113-pig-heart-transplant.html>

- 1) In which country did this operation take place?
 - a) Venezuela
 - b) China
 - c) the USA
 - d) Namibia
- 2) How old is the heart transplant patient?
 - a) 57
 - b) 56
 - c) 55
 - d) 59
- 3) When did Mr Bennett speak to doctors?
 - a) during his operation
 - b) the day before his operation
 - c) after his operation
 - d) he didn't speak to doctors
- 4) What kind of pig did the heart come from?
 - a) a pink one
 - b) a big one
 - c) a prize pig
 - d) a genetically-modified pig
- 5) What did scientists change in the pig?
 - a) its colour
 - b) its tail
 - c) its genes
 - d) its skin
- 6) How long did the operation take?
 - a) six hours
 - b) seven hours
 - c) five hours
 - d) nine hours
- 7) Who did doctors need special permission from?
 - a) the man's family
 - b) a pig farmer
 - c) the WHO
 - d) U.S. authorities
- 8) What crisis might the world be one step closer to solving?
 - a) overpopulation
 - b) the organ-shortage crisis
 - c) climate change
 - d) a serious crisis
- 9) How does the man's surgeon feel?
 - a) happy
 - b) optimistic
 - c) sad
 - d) pessimistic
- 10) What is the man looking forward to doing?
 - a) getting out of bed
 - b) eating dinner
 - c) swimming
 - d) thanking his doctors

ROLE PLAY

From <https://breakingnewsenglish.com/2201/220113-pig-heart-transplant.html>

Role A – Heart

You think the heart is the most difficult organ to transplant. Tell the others three reasons why. Tell them why their organ is not so difficult to transplant. Also, tell the others which is the most difficult of these (and why): brain, skin or stomach.

Role B – Brain

You think the brain is the most difficult organ to transplant. Tell the others three reasons why. Tell them why their organ is not so difficult to transplant. Also, tell the others which is the most difficult of these (and why): heart, skin or stomach.

Role C – Skin

You think the skin is the most difficult organ to transplant. Tell the others three reasons why. Tell them why their organ is not so difficult to transplant. Also, tell the others which is the most difficult of these (and why): brain, heart or stomach.

Role D – Stomach

You think the stomach is the most difficult organ to transplant. Tell the others three reasons why. Tell them why their organ is not so difficult to transplant. Also, tell the others which is the most difficult of these (and why): brain, skin or heart.

AFTER READING / LISTENING

From <https://breakingnewsenglish.com/2201/220113-pig-heart-transplant.html>

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

pig	heart

- 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• well• alive• either• dark• suitable	<ul style="list-style-type: none">• special• years• believe• crisis• option• forward
---	---

HEART TRANSPLANTS SURVEY

From <https://breakingnewsenglish.com/2201/220113-pig-heart-transplant.html>

Write five GOOD questions about heart transplants 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.

HEART TRANSPLANTS 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 'pig'?
3. What do you know about pigs?
4. What do you think of heart transplants?
5. What do you think of heart transplants using pig hearts?
6. Would you have made the same decision as the man?
7. What do you think of genetically modifying animals?
8. What are the advantages and disadvantages of organ transplants?
9. What three adjectives best describe this story?
10. What advice do you have for Mr Bennett?

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HEART TRANSPLANTS 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 'heart'?
13. What do you think about what you read?
14. What do you think of pigs?
15. What do you think of surgeons?
16. Do you think there will be more animal organ transplants in the future?
17. How would you feel before having an organ transplant?
18. Will doctors be able to replace all our body parts in the future?
19. Do you always look forward to getting out of bed?
20. What questions would you like to ask the doctors?

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/2201/220113-pig-heart-transplant.html>

Doctors in the USA have transplanted a pig's heart into (1) _____ man. It is the first time this has happened. The doctors are from the University of Maryland Medical Center. They say David Bennett, 57, is doing (2) _____ after his operation. Mr Bennett was very ill. The doctors said giving him the pig's heart was the only (3) _____ of keeping him alive. Bennett spoke to doctors the day before the operation. He said: "It was either (4) _____ or do this transplant. I want to live. I know it's a shot in the dark, but it's my last (5) _____." The pig's heart came from a genetically-modified pig. Scientists changed the genes of the pig so its heart would (6) _____ more suitable for a transplant into a human.

The transplant (7) _____ took seven hours. Doctors received special permission from U.S. authorities for the experimental surgery. Without it, Mr Bennett would (8) _____ died. Scientists have been researching pig-organ transplants for years. They believe Mr Bennett's transplant means more transplants could take (9) _____ in the future. They said this could bring the world, "one step closer to solving the organ shortage (10) _____". Surgeon Dr Bartley Griffith said: "We are also optimistic that this first-in-the-world surgery will provide an important new option for patients (11) _____ the future." Mr Bennett hopes his transplant will allow him to live longer. He said: "I look forward to getting out (12) _____ bed after I recover."

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

- | | | | | |
|-----|---------------|--------------|------------|----------------|
| 1. | (a) a | (b) that | (c) this | (d) the |
| 2. | (a) good | (b) well | (c) goodly | (d) wellness |
| 3. | (a) chants | (b) charge | (c) change | (d) chance |
| 4. | (a) death | (b) die | (c) dead | (d) dying |
| 5. | (a) choices | (b) chosen | (c) choose | (d) choice |
| 6. | (a) have | (b) do | (c) be | (d) take |
| 7. | (a) operation | (b) surgical | (c) force | (d) enterprise |
| 8. | (a) do | (b) be | (c) have | (d) very |
| 9. | (a) everyone | (b) it | (c) all | (d) place |
| 10. | (a) crisis | (b) cries | (c) crimes | (d) critics |
| 11. | (a) in | (b) at | (c) of | (d) as |
| 12. | (a) of | (b) at | (c) to | (d) on |

SPELLING

From <https://breakingnewsenglish.com/2201/220113-pig-heart-transplant.html>

Paragraph 1

1. the first time this has aephenpd
2. the day before the oroatenpi
3. It was erhiet die or do this transplant
4. it's my last ociceh
5. Scientists changed the eseng of the pig
6. its heart would be more ibuetlsa

Paragraph 2

7. Doctors received special onsprsiemi
8. U.S. shiioutaret
9. tleerxprienma surgery
10. solving the organ shortage sriics
11. We are also tmciospiit
12. getting out of bed after I roeevrc

PUT THE TEXT BACK TOGETHER

From <https://breakingnewsenglish.com/2201/220113-pig-heart-transplant.html>

Number these lines in the correct order.

- () of keeping him alive. Bennett spoke to doctors the day before the operation. He said: "It was either die
- () be more suitable for a transplant into a human.
- () or do this transplant. I want to live. I know it's a shot in the dark, but it's my last
- () well after his operation. Mr Bennett was very ill. The doctors said giving him the pig's heart was the only chance
- () from U.S. authorities for the experimental surgery. Without it, Mr Bennett would have died. Scientists have been
- () happened. The doctors are from the University of Maryland Medical Center. They say David Bennett, 57, is doing
- () choice." The pig's heart came from a genetically-modified pig. Scientists changed the genes of the pig so its heart would
- () The transplant operation took seven hours. Doctors received special permission
- () to solving the organ shortage crisis". Surgeon Dr Bartley Griffith said: "We are also optimistic that this first-in-the-world surgery will
- () him to live longer. He said: "I look forward to getting out of bed after I recover."
- () researching pig-organ transplants for years. They believe Mr Bennett's transplant means more
- () provide an important new option for patients in the future." Mr Bennett hopes his transplant will allow
- () transplants could take place in the future. They said this could bring the world, "one step closer
- (**1**) Doctors in the USA have transplanted a pig's heart into a man. It is the first time this has

PUT THE WORDS IN THE RIGHT ORDER

From <https://breakingnewsenglish.com/2201/220113-pig-heart-transplant.html>

1. in Doctors transplanted heart . pig's a the USA
2. is It the first happened . time this has
3. only The alive . keeping him of chance
4. a know I dark . shot in it's the
5. into human . suitable a for More a transplant
6. authorities . Doctors permission from received special U.S.
7. take in could the future . More transplants place
8. to shortage the organ Closer solving crisis .
9. to him longer . His transplant will live allow
10. forward out to of I look getting bed .

CIRCLE THE CORRECT WORD (20 PAIRS)

From <https://breakingnewsenglish.com/2201/220113-pig-heart-transplant.html>

Doctors in the USA have transplanted a pig's heart *onto / into* a man. It is the first time this has *happening / happened*. The doctors are from the University of Maryland Medical Center. They say David Bennett, 57, is doing *well / good* after his operation. Mr Bennett was very *illness / ill*. The doctors said giving him the pig's heart was the only *chance / change* of keeping him alive. Bennett spoke *for / to* doctors the day before the operation. He said: "It was *either / neither* die or do this transplant. I want to live. I know it's a shot in the *light / dark*, but it's my last choice." The pig's heart came from a genetically-modified pig. Scientists changed the *jeans / genes* of the pig so its heart would be more *suitable / suits* for a transplant into a human.

The transplant operation *gave / took* seven hours. Doctors received special permission from U.S. authorities for the experimental *sugary / surgery*. Without it, Mr Bennett would have *died / dead*. Scientists have been researching pig-organ transplants *for / four* years. They believe Mr Bennett's transplant means more transplants could take place *on / in* the future. They said this could bring the *word / world*, "one step closer to *solving / solve* the organ shortage crisis". Surgeon Dr Bartley Griffith said: "We are also *optimism / optimistic* that this first-in-the-world surgery will provide an important new *adoption / option* for patients in the future." Mr Bennett hopes his transplant will allow him to live longer. He said: "I look *forwarding / forward* to getting out of bed after I recover."

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/2201/220113-pig-heart-transplant.html>

D_o_c_t_o_r_s _n th_ _S_ h_v_ t_r_a_n_s_p_l_a_n_t_e_d _ p_i_g's
h_e_a_r_t _n_t_ _ m_a_n. _t_ _s_ th_ f_i_r_s_t t_i_m_e th_i_s h_i_s
h_a_p_p_e_n_e_d. Th_e d_o_c_t_o_r_s _r_ f_r_o_m th_e _n_e_v_e_r_s_i_t_y _f_
M_a_r_y_l_a_n_d M_e_d_i_c_a_l C_e_n_t_r_e. Th_e_y s_a_y D_e_v_i_d B_e_n_n_e_t_t, 57,
s d_o_i_n_g w_e_l_l _f_o_r h_i_s _p_a_r_t_. M_r B_e_n_n_e_t_t w_a_s
v_e_r_y _i_l_l. Th_e d_o_c_t_o_r_s s_a_d g_o_i_n_g h_i_m th_e p_i_g's h_e_a_r_t
w_a_s th_e _o_n_l_y c_h_a_n_c_e _f_ k_e_e_p_i_n_g h_i_m _l_i_v_i_n_g. B_e_n_n_e_t_t
s_p_o_k_e t_o d_o_c_t_o_r_s th_a_t d_o_n't b_e f_r_o_m th_e _p_a_r_t_. H_e
s_a_d: "_t_ w_a_s _a_t_ t_h_e_r_e d_o_i_n_g _r_e_s_e_a_r_c_h o_n th_i_s t_r_a_n_s_p_l_a_n_t. _
w_e_n_t t_o _l_i_v_e. _ k_n_o_w _t_h_a_t_ _s_ s_h_o_u_l_d _n_o_t b_e d_o_n_e i_n th_e d_e_p_a_r_t_m_e_n_t,
_b_u_t_ _t_h_a_t_ _i_s_ m_y l_a_s_t c_h_o_i_c_e." Th_e p_i_g's h_e_a_r_t c_a_m_e f_r_o_m _
g_e_n_e_t_i_c_a_l_l_y-m_e_d_i_c_a_l p_i_g. S_c_i_e_n_t_i_s_t_s c_h_a_n_g_e_d th_e g_e_n_e_s_i_s
_f_r_o_m th_e p_i_g s_o _t_h_a_t_ h_e_a_r_t w_o_u_l_d b_e m_a_d_e s_u_i_t_a_b_l_e f_o_r _
t_r_a_n_s_p_l_a_n_t _i_n_t_o _h_u_m_a_n.

Th_e t_r_a_n_s_p_l_a_n_t _p_r_o_c_e_d_u_r_e t_o_o_k s_e_v_e_n h_o_u_r_s. D_o_c_t_o_r_s
r_e_c_e_i_v_e_d s_p_e_c_i_a_l p_e_r_m_i_s_s_i_o_n f_r_o_m _t_h_e_ U.S. _a_g_e_n_c_y f_o_r
th_e _e_x_p_e_r_i_m_e_n_t_a_l s_u_r_g_e_r_y. W_h_e_n _t_h_a_t_ _t_i_m_e_ c_a_m_e, M_r B_e_n_n_e_t_t
w_o_u_l_d h_a_v_e d_i_e_d. S_c_i_e_n_t_i_s_t_s h_a_v_e b_e_e_n r_e_s_e_a_r_c_h_i_n_g
p_i_g-r_e_g_e_n_e_r_a_t_e_d t_r_a_n_s_p_l_a_n_t_s f_o_r y_e_a_r_s. Th_e_y b_e_l_i_e_v_e M_r
B_e_n_n_e_t_t's t_r_a_n_s_p_l_a_n_t m_a_y m_a_k_e t_r_a_n_s_p_l_a_n_t_s c_o_u_l_d t_a_k_e
p_l_a_c_e _i_n th_e f_u_t_u_r_e. Th_e_y s_a_d th_a_t t_h_i_s c_o_u_l_d b_r_i_n_g th_e
w_o_r_l_d, "_n_o_t s_t_o_p c_l_o_s_i_n_g t_h_e s_e_a_r_c_h o_n th_e _r_e_g_e_n_e_r_a_t_e_d s_h_o_r_t_g_e_n_e
c_r_e_a_t_i_o_n". S_u_r_g_e_o_n D_r B_e_r_t_h_e_l_y G_r_e_e_n s_a_d: "W_e _h_o_p_e_ _t_h_a_t_ _o_u_r_
_p_r_o_g_r_a_m_ _w_i_l_l h_e_l_p t_h_a_t_ th_i_s f_i_r_s_t-t_i_m_e _i_n_ th_e _w_o_r_l_d s_u_r_g_e_r_y
w_i_l_l p_r_o_v_i_d_e _a_n_ _i_m_p_o_r_t_a_n_t n_e_w _o_p_t_i_o_n f_o_r p_a_t_i_e_n_t_s _i_n
th_e f_u_t_u_r_e." M_r B_e_n_n_e_t_t h_o_p_e_s h_i_s t_r_a_n_s_p_l_a_n_t w_i_l_l
_h_e_l_p h_i_m t_o _l_i_v_e l_o_n_g_e_r. H_e s_a_d: "_l_e_t_ _u_s_ k_n_o_w _h_o_w_ _t_h_a_t_ _i_s_ _p_o_s_s_i_b_l_e_ f_o_r
t_h_i_s t_r_a_n_s_p_l_a_n_t _t_o b_e d_o_n_e _i_n_ th_e f_u_t_u_r_e."

PUNCTUATE THE TEXT AND ADD CAPITALS

From <https://breakingnewsenglish.com/2201/220113-pig-heart-transplant.html>

doctors in the usa have transplanted a pigs heart into a man it is the first time this has happened the doctors are from the university of maryland medical center they say david bennett 57 is doing well after his operation mr bennett was very ill the doctors said giving him the pigs heart was the only chance of keeping him alive bennett spoke to doctors the day before the operation he said it was either die or do this transplant i want to live i know its a shot in the dark but its my last choice the pigs heart came from a geneticallymodified pig scientists changed the genes of the pig so its heart would be more suitable for a transplant into a human

the transplant operation took seven hours doctors received special permission from us authorities for the experimental surgery without it mr bennett would have died scientists have been researching pigorgan transplants for years they believe mr bennetts transplant means more transplants could take place in the future they said this could bring the world one step closer to solving the organ shortage crisis surgeon dr bartley griffith said we are also optimistic that this firstintheworld surgery will provide an important new option for patients in the future mr bennett hopes his transplant will allow him to live longer he said i look forward to getting out of bed after i recover

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2201/220113-pig-heart-transplant.html>

Doctors in the USA have transplanted a pig's heart into a man. It is the first time this has happened. The doctors are from the University of Maryland Medical Center. They say David Bennett, 57, is doing well after his operation. Mr Bennett was very ill. The doctors said giving him the pig's heart was the only chance of keeping him alive. Bennett spoke to doctors the day before the operation. He said: "It was either die or do this transplant. I want to live. I know it's a shot in the dark, but it's my last choice." The pig's heart came from a genetically-modified pig. Scientists changed the genes of the pig so its heart would be more suitable for a transplant into a human. The transplant operation took seven hours. Doctors received special permission from U.S. authorities for the experimental surgery. Without it, Mr Bennett would have died. Scientists have been researching pig-organ transplants for years. They believe Mr Bennett's transplant means more transplants could take place in the future. They said this could bring the world, "one step closer to solving the organ shortage crisis". Surgeon Dr Bartley Griffiths said: "We are also optimistic that this first-in-the-world surgery will provide an important new option for patients in the future." Mr Bennett hopes his transplant will allow him to live longer. He said: "I look forward to getting out of bed after I recover."

FREE WRITING

From <https://breakingnewsenglish.com/2201/220113-pig-heart-transplant.html>

Write about **heart transplants** 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. HEART TRANSPLANTS: Make a poster about heart transplants. Show your work to your classmates in the next lesson. Did you all have similar things?

4. PIG-HEART TRANSPLANTS: Write a magazine article about pig-heart transplants. Include imaginary interviews with people who are for and against them.

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 heart transplants. Ask him/her three questions about them. Give him/her three of your opinions on pig-heart transplants. Read your letter to your partner(s) in your next lesson. Your partner(s) will answer your questions.

ANSWERS

VOCABULARY (p.4)

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

TRUE / FALSE (p.5)

- 1 F 2 T 3 T 4 F 5 F 6 F 7 T 8 T

SYNONYM MATCH (p.5)

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

COMPREHENSION QUESTIONS (p.9)

1. The USA
2. 57
3. The day before his operation
4. A genetically-modified pig
5. Its genes
6. Seven hours
7. U.S. authorities
8. The organ-shortage crisis
9. Optimistic
10. Getting out of bed

WORDS IN THE RIGHT ORDER (p.19)

1. Doctors in the USA transplanted a pig's heart.
2. It is the first time this has happened.
3. The only chance of keeping him alive.
4. I know it's a shot in the dark.
5. More suitable for a transplant into a human.
6. Doctors received special permission from U.S. authorities.
7. More transplants could take place in the future.
8. Closer to solving the organ shortage crisis.
9. His transplant will allow him to live longer.
10. I look forward to getting out of bed.

MULTIPLE CHOICE - QUIZ (p.10)

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

ALL OTHER EXERCISES

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