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Level 5 – 20th April, 2021

Scientists create human-monkey chimera

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<https://breakingnewsenglish.com/2104/210420-chimera-5.html>

Contents

The Reading	2
Phrase Matching	3
Listening Gap Fill	4
No Spaces	5
Survey	6
Writing and Speaking	7
Writing	8

Please try Levels 4 and 6. They are (a little) harder.

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THE READING

From <https://breakingnewsenglish.com/2104/210420-chimera-5.html>

Today we are seeing more examples of science fiction rapidly becoming science fact. A team of scientists has created the world's first part-human, part-monkey embryo. The result of this fusion of genetic tissue is called a chimera. It could pave the way for lifesaving medical advances. Bio-scientist Henry Greely explained the importance of this breakthrough for organ transplants. He said: "The long-term goal of this research...is to grow human organs in pigs - kidneys, livers, hearts, etc." He added: "Tens of thousands of people on a transplant list die every year waiting for a transplant."

The groundbreaking research involved injecting human cells into the embryos of macaque monkeys. Scientists studied the development of the embryos for 19 days. Many people are worried about this and believe it is the stuff of horror movies. Professor Greely understood that there are ethical concerns around the creation of chimera. He said: "Every time a person gets an organ transplant, the result is an intra-species chimera - an organism made up of cells from two members of the same species....When a human gets a pig heart valve, she becomes an inter-species chimera."

Sources: <https://www.salon.com/2021/04/16/the-bioethics-of-the-first-human-monkey-hybrid-embryo/>
<https://www.webmd.com/a-to-z-guides/news/20210416/scientists-create-monkey-human-embryos>
<https://www.yahoo.com/news/scientists-created-hybrid-human-monkey-133712492.html>

PHRASE MATCHING

From <https://breakingnewsenglish.com/2104/210420-chimera-5.html>

PARAGRAPH ONE:

- | | |
|-------------------------------------|-------------------------|
| 1. this fusion of genetic tissue is | a. transplant |
| 2. It could pave the | b. advances |
| 3. lifesaving medical | c. organs in pigs |
| 4. the importance | d. way |
| 5. The long- | e. die every year |
| 6. grow human | f. called a chimera |
| 7. people on a transplant list | g. term goal |
| 8. waiting for a | h. of this breakthrough |

PARAGRAPH TWO:

- | | |
|----------------------------------|---------------------|
| 1. groundbreaking | a. concerns |
| 2. the development of | b. valve |
| 3. the stuff of horror | c. transplant |
| 4. there are ethical | d. the embryos |
| 5. a person gets an organ | e. the same species |
| 6. the result is an intra- | f. research |
| 7. cells from two members of | g. species chimera |
| 8. When a human gets a pig heart | h. movies |

LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/2104/210420-chimera-5.html>

Today we are (1) _____ of science fiction rapidly becoming science fact. A team of scientists has created the world's first part-human, (2) _____. The result of this fusion of genetic tissue is called a chimera. It could pave the way for (3) _____. Bio-scientist Henry Greely explained the importance of this breakthrough for organ transplants. He said: "The (4) _____ of this research...is to grow human organs in pigs - (5) _____, etc." He added: "Tens of thousands of people on a transplant (6) _____ year waiting for a transplant."

The groundbreaking research involved injecting human cells (7) _____ of macaque monkeys. Scientists studied the development of the embryos for 19 days. Many people are worried about (8) _____ it is the stuff of horror movies. Professor Greely understood that there are ethical concerns around (9) _____ chimera. He said: "Every time a person gets (10) _____, the result is an intra-species chimera - an organism made up of cells from two members of (11) _____.When a human gets a pig heart valve, she becomes (12) _____ chimera."

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2104/210420-chimera-5.html>

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CHIMERA SURVEY

From <https://breakingnewsenglish.com/2104/210420-chimera-4.html>

Write five GOOD questions about chimera 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.

WRITE QUESTIONS & ASK YOUR PARTNER(S)

Student A: Do not show these to your speaking partner(s).

a) _____

b) _____

c) _____

d) _____

e) _____

f) _____

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WRITE QUESTIONS & ASK YOUR PARTNER(S)

Student B: Do not show these to your speaking partner(s).

a) _____

b) _____

c) _____

d) _____

e) _____

f) _____

