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Ready-to-Use English Lessons by Sean Banville

Level 4 – 7th May, 2019

Breakthrough in bio-printing of new body organs

FREE online quizzes, mp3 listening and more for this lesson here:
https://breakingnewsenglish.com/1905/190507-bioprinting-4.html

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Please try Levels 5 and 6. They are (a little) harder.

THE READING

From https://breakingnewsenglish.com/1905/190507-bioprinting-4.html

Scientists advanced the possibility of reproducing the body's organs by using 3D printing. Scientists could make organs by using bio-printing. Scientists could create networks of thin tubes, like those used in our body to let blood flow. These are called vascular networks. A bio-engineer said one problem to create tissue replacements has been an inability to print complex vascular networks that can supply nutrients to tissue.

Another professor wrote about the difficulty of recreating vascular networks. She said: "Tissue engineering has struggled with this for a generation." She said: "If we can print tissues that look and now even breathe more like the healthy tissues in our bodies, will they also then functionally behave more like those tissues?" She said bio-printing could become a popular therapy. Scientists hope this method will help millions waiting for organ transplants.

Sources: https://www.**digitaltrends.com**/cool-tech/bioprinting-vascular-networks/
https://www.**popularmechanics.com**/science/health/a27355578/3d-print-lungs/
https://www.**independent.co.uk**/news/health/organ-3d-printing-yellow-food-dye-bioprinting-a8897226.html

PHRASE MATCHING

From https://breakingnewsenglish.com/1905/190507-bioprinting-4.html

PARAGRAPH ONE:

1. reproducing the body's	a. networks
2. make organs by	b. tubes
3. networks of thin	c. print
4. to let blood	d. using bio-printing
5. These are called vascular	e. nutrients
6. create tissue	f. flow
7. an inability to	g. organs
8. networks that can supply	h. replacements

PARAGRAPH TWO:

1. Another professor wrote	a. popular therapy
2. struggled with this for a	b. tissues
3. breathe more like the healthy	c. help millions
4. in our	d. like those tissues
5. functionally behave more	e. transplants
6. bio-printing could become a	f. about the difficulty
7. this method will	g. bodies
8. organ	h. generation

LISTEN AND FILL IN THE GAPS

From https://breakingnewsenglish.com/1905/190507-bioprinting-4.html

Scientists advanced (1) _____ reproducing the body's organs by (2) _____. Scientists could make organs by using bio-printing. Scientists could create (3) _____ tubes, like those used in our body to (4) _____. These are called vascular networks. A bio-engineer said one (5) _____ tissue replacements has been an inability to print complex vascular networks that can (6) _____ tissue.

Another professor wrote about the difficulty (7) _____ networks. She said: "Tissue engineering (8) _____ this for a generation." She said: "If we can (9) _____ look and now even breathe more like the healthy (10) _____ bodies, will they also then functionally behave more like those tissues?" She said bio-printing could become (11) _____. Scientists hope this method will help millions (12) _____ transplants.

PUT A SLASH (/)WHERE THE SPACES ARE

From https://breakingnewsenglish.com/1905/190507-bioprinting-4.html

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BIO-PRINTING SURVEY

From https://breakingnewsenglish.com/1905/190507-bioprinting-4.html

Write five GOOD questions about bio-printing 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) _____

WRITING

From https://breakingnewsenglish.com/1905/190507-bioprinting-4.html

Write about **bio-printing** for 10 minutes. Read and talk about your partner's paper.