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Level 4 – 23rd September 2024

'Third state' exists beyond life and death, says study

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

<https://breakingnewsenglish.com/2409/240923-the-third-state-4.html>

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

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THE READING

From <https://breakingnewsenglish.com/2409/240923-the-third-state-4.html>

An American study has claimed a "third state" exists after life and death. Researchers say cells in the organs of deceased bodies adopt new functions after the body dies. The scientists explained how cells transform after the host organism dies. They said their research demonstrates "the inherent plasticity of cellular systems and challenge the idea that cells and organisms can evolve only in predetermined ways".

The scientists say there are two kinds of "biobot" in the third state. A biobot is a biological robot that exists in nature and can carry out tasks like moving and reacting. One biobot is called a "xenobot". This divides cells into new multi-cellular organisms. Other biobots are "anthrobots". These self-assemble cells and move around. The scientists said xenobots exist "beyond the traditional boundaries of life and death".

Sources: <https://www.popularmechanics.com/science/health/a62244774/biobots-third-state/>
<https://en.wiktionary.org/wiki/biobot>
<https://www.sciencealert.com/these-creatures-occupy-third-state-beyond-life-and-death-scientists-say>
<https://metro.co.uk/2024/09/16/bodies-dont-die-scientists-discover-third-state-life-21614609/>

PHRASE MATCHING

From <https://breakingnewsenglish.com/2409/240923-the-third-state-4.html>

PARAGRAPH ONE:

- | | |
|-----------------------------------|---------------------------|
| 1. An American study has claimed | a. evolve |
| 2. cells in the organs of | b. after the body dies |
| 3. adopt new functions | c. organism dies |
| 4. The scientists explained | d. ways |
| 5. cells transform after the host | e. how |
| 6. the inherent plasticity | f. deceased bodies |
| 7. cells and organisms can | g. of cellular systems |
| 8. in predetermined | h. a "third state" exists |

PARAGRAPH TWO:

- | | |
|---|----------------------|
| 1. scientists say there are two | a. organisms |
| 2. A biobot is a | b. exist |
| 3. carry out | c. kinds of "biobot" |
| 4. One biobot is called | d. of life and death |
| 5. This divides cells into new multi-cellular | e. tasks |
| 6. These self-assemble cells and move | f. a "xenobot" |
| 7. The scientists said xenobots | g. biological robot |
| 8. beyond the traditional boundaries | h. around |

LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/2409/240923-the-third-state-4.html>

An American (1) _____ a "third state" exists after life and death. Researchers say cells in the (2) _____ bodies adopt new functions after the body dies. The scientists explained (3) _____ after the host organism dies. They (4) _____ demonstrates "the inherent plasticity of cellular systems and (5) _____ that cells and organisms can (6) _____ predetermined ways".

The (7) _____ are two kinds of "biobot" in the third state. A biobot is (8) _____ that exists in nature and can (9) _____ like moving and reacting. One biobot is called a "xenobot". This (10) _____ new multi-cellular organisms. Other biobots are "anthrobots". These self- (11) _____ move around. The scientists said xenobots exist "beyond the traditional (12) _____ and death".

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2409/240923-the-third-state-4.html>

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BODILY CELLS SURVEY

From <https://breakingnewsenglish.com/2409/240923-the-third-state-4.html>

Write five GOOD questions about bodily cells 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/2409/240923-the-third-state-4.html>

Write about **bodily cells** for 10 minutes. Read and talk about your partner's paper.
