

Breaking News English.com

Ready-to-Use English Lessons by Sean Banville

"1,000 IDEAS & ACTIVITIES
FOR LANGUAGE TEACHERS"

breakingnewsenglish.com/book.html

Thousands more free lessons
from Sean's other websites

www.freematerials.com/sean_banville_lessons.html

Level 4 – 7th October 2024

Mapping of fruit fly brain to change neuroscience

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

<https://breakingnewsenglish.com/2410/241007-fruit-fly-brain-4.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 5 and 6. They are (a little) harder.

X (Twitter)



[X.com/SeanBanville](https://x.com/SeanBanville)

Facebook



www.facebook.com/pages/BreakingNewsEnglish/155625444452176

THE READING

From <https://breakingnewsenglish.com/2410/241007-fruit-fly-brain-4.html>

Scientists have created a map of a fruit fly's brain. The map is the most detailed ever produced for an animal. The scientists created a diagram of 139,255 neurons and 50 million connections. The map could revolutionize neuroscience. It could unlock secrets about our own brain. A brain specialist said: "The mapping of the fly brain...will help us get a real grasp of how our own brains work." He said it could help us look at "the mechanism of thought".

The map looks like a work of art. It is a beautiful web of neurons. Scientists sliced the fruit fly's brain into 7,000 microscopic pieces. An electron microscope imaged cells that were four-millionths of a millimetre wide. The researchers classified 8,400 cell types. The neural connections would stretch for 150 metres. The human brain has 86 billion neurons and trillions of connections. It will be many years before scientists can map it.

Sources: <https://www.bbc.com/news/articles/c0lw0nxw71po>
<https://www.nature.com/articles/d41586-024-03190-y>
<https://www.theguardian.com/science/2024/oct/02/fruit-fly-brain-connections-wiring-diagram-neuroscience>

PHRASE MATCHING

From <https://breakingnewsenglish.com/2410/241007-fruit-fly-brain-4.html>

PARAGRAPH ONE:

- | | |
|----------------------------------|---------------------|
| 1. The map is the most | a. the fly brain |
| 2. The map could revolutionize | b. detailed ever |
| 3. It could unlock secrets about | c. could help us |
| 4. The mapping of | d. get a real grasp |
| 5. help us | e. neuroscience |
| 6. how our own | f. of thought |
| 7. He said it | g. our own brain |
| 8. the mechanism | h. brains work |

PARAGRAPH TWO:

- | | |
|-------------------------------------|----------------------|
| 1. The map looks like | a. fruit fly's brain |
| 2. It is a beautiful | b. for 150 metres |
| 3. Scientists sliced the | c. a millimetre wide |
| 4. 7,000 microscopic | d. map it |
| 5. four-millionths of | e. web of neurons |
| 6. neural connections would stretch | f. of connections |
| 7. trillions | g. a work of art |
| 8. scientists can | h. pieces |

LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/2410/241007-fruit-fly-brain-4.html>

Scientists have (1) _____ of a fruit fly's brain. The map is the most (2) _____ for an animal. The scientists created a diagram of 139,255 neurons and 50 million connections. The map could revolutionize neuroscience. It (3) _____ about our own brain. (4) _____ said: "The mapping of the fly brain...will help us get a (5) _____ how our own brains work." He said it could help us look at "(6) _____ thought".

The map looks like a (7) _____. It is a beautiful web of neurons. (8) _____ fruit fly's brain into 7,000 microscopic pieces. An (9) _____ cells that were four-millionths of a millimetre wide. The researchers classified 8,400 cell types. The neural connections (10) _____ 150 metres. The (11) _____ 86 billion neurons and trillions of connections. It will be many years before scientists (12) _____.

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2410/241007-fruit-fly-brain-4.html>

Scientists have created a map of a fruit fly's brain. The map is the most detailed ever produced for an animal. The scientists created a diagram of 139,255 neurons and 50 million connections. The map could revolutionize neuroscience. It could unlock secrets about our own brain. A brain specialist said: "The mapping of the fly brain... will help us get a real grasp of how our own brains work." He said it could help us look at "the mechanism of thought". The map looks like a work of art. It is a beautiful web of neurons. Scientists sliced the fruit fly's brain into 7,000 microscopic pieces. An electron microscope imaged cells that were four-millionths of a millimetre wide. The researchers classified 8,400 cell types. The neural connections would stretch for 150 metres. The human brain has 86 billion neurons and trillions of connections. It will be many years before scientists can map it.

OUR BRAIN SURVEY

From <https://breakingnewsenglish.com/2410/241007-fruit-fly-brain-4.html>

Write five GOOD questions about our brain 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) _____

Mapping of fruit fly brain to change neuroscience – 7th October 2024
More free lessons at breakingnewsenglish.com

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/2410/241007-fruit-fly-brain-4.html>

Write about **our brain** for 10 minutes. Read and talk about your partner’s paper.
