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Level 4 – 14th August 2023

Microplastics found in human heart for first time

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<https://breakingnewsenglish.com/2308/230814-microplastics-in-human-heart-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/2308/230814-microplastics-in-human-heart-4.html>

Many of us know that plastic harms the environment. Fewer people know about the threat from the microplastics. Researchers have found microplastics in the human heart. Scientists in China collected tissue samples from heart surgery patients. There were tiny pieces of plastic in the tissue. They included a plastic commonly used in an alternative to glass, a polythene used in clothing and food containers, and a material used in building.

The scientists found thousands of microplastic pieces in the heart tissue. Chemicals from these are released into the body, which can lead to allergic reactions, cancer, and other problems. The average person consumes around 52,000 pieces a year. Microplastics make up 39 per cent of dust particles in our homes. They are almost impossible to remove from the body. It is critical to limit the amount of plastic we ingest.

Sources: <https://www.dailymail.co.uk/health/article-12384881/Microplastics-discovered-human-HEART.html>
<https://people.com/microplastics-discovered-human-heart-tissue-first-time-7642489>
<https://www.iflscience.com/thousands-of-microplastics-discovered-in-human-heart-tissue-for-first-time-70199>

PHRASE MATCHING

From <https://breakingnewsenglish.com/2308/230814-microplastics-in-human-heart-4.html>

PARAGRAPH ONE:

- | | |
|------------------------|--------------------------|
| 1. plastic harms | a. used in clothing |
| 2. Fewer people know | b. to glass |
| 3. tissue samples from | c. about the threat |
| 4. tiny pieces of | d. heart surgery |
| 5. an alternative | e. in building |
| 6. a polythene | f. the environment |
| 7. food | g. plastic in the tissue |
| 8. material used | h. containers |

PARAGRAPH TWO:

- | | |
|--------------------------------------|---------------------------|
| 1. The scientists found thousands | a. from the body |
| 2. heart | b. reactions |
| 3. Chemicals from these are released | c. we ingest |
| 4. allergic | d. person |
| 5. The average | e. of microplastic pieces |
| 6. dust | f. tissue |
| 7. almost impossible to remove | g. particles |
| 8. limit the amount of plastic | h. into the body |

LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/2308/230814-microplastics-in-human-heart-4.html>

Many of us know (1) _____ the environment. Fewer people know about (2) _____ the microplastics. Researchers have found microplastics in (3) _____. Scientists in China collected (4) _____ heart surgery patients. There were tiny pieces of plastic in the tissue. They included a plastic commonly used (5) _____ to glass, a polythene used in clothing and food containers, and (6) _____ in building.

The scientists found thousands of microplastic pieces in (7) _____. Chemicals from these are released into the body, which can (8) _____ reactions, cancer, and other problems. The average (9) _____ 52,000 pieces a year. Microplastics make up 39 per cent (10) _____ in our homes. They are almost impossible (11) _____ the body. It is critical to (12) _____ of plastic we ingest.

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2308/230814-microplastics-in-human-heart-4.html>

Many of us know that plastic harms the environment. Fewer people know about the threat from the microplastics. Researchers have found microplastics in the human heart. Scientists in China collected tissue samples from heart surgery patients. There were tiny pieces of plastic in the tissue. They included a plastic commonly used in an alternative to glass, a polythene used in clothing and food containers, and a material used in building. The scientists found thousands of microplastic pieces in the heart tissue. Chemicals from these are released into the body, which can lead to allergic reactions, cancer, and other problems. The average person consumes around 52,000 pieces a year. Microplastics make up 39 percent of dust particles in our homes. They are almost impossible to remove from the body. It is critical to limit the amount of plastic we ingest.

MICROPLASTICS SURVEY

From <https://breakingnewsenglish.com/2308/230814-microplastics-in-human-heart-4.html>

Write five GOOD questions about microplastics 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) _____

