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Level 4 – 17th December, 2019

Scientists create plastic that repels all bacteria

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

<https://breakingnewsenglish.com/1912/191217-self-cleaning-plastic-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/1912/191217-self-cleaning-plastic-4.html>

A new plastic could stop bacteria and superbugs spreading diseases. Scientists developed a new, plastic wonder-wrap. They say it will greatly cut bacteria spreading in hospitals, kitchens, bathrooms and other places with bugs. Researchers in Canada created the plastic. They say it repels all forms of bacteria and superbugs. The material is like the plastic wrap we use to cover food. It can protect places that attract bacteria, like worktops, door handles, and hospitals.

The researchers got their idea from the lotus plant. They copied how lotus leaves repelled water. Water either sits on the leaves or bounces off. A researcher hoped plastic could do the same. She said: "This material gives us something that can be applied to all kinds of things." Another researcher said his technology could be used in all kinds of settings. It will offer anti-microbial resistance in any future health crisis.

Sources: <https://www.independent.co.uk/news/science/self-cleaning-plastic-bacteria-repellent-mrsa-nhs-a9245811.html>
<https://news.sky.com/story/self-cleaning-surface-that-repels-superbugs-could-be-used-in-kitchens-and-hospitals-11885900>
<https://edition.cnn.com/2019/12/13/health/superbug-repelling-surface-intl-scli-scn/index.html>

PHRASE MATCHING

From <https://breakingnewsenglish.com/1912/191217-self-cleaning-plastic-4.html>

PARAGRAPH ONE:

- | | |
|-----------------------------|----------------------|
| 1. A new plastic could | a. wrap |
| 2. superbugs spreading | b. attract bacteria |
| 3. a new, plastic wonder- | c. cut bacteria |
| 4. They say it will greatly | d. forms of bacteria |
| 5. other places | e. stop bacteria |
| 6. it repels all | f. to cover food |
| 7. the plastic wrap we use | g. diseases |
| 8. places that | h. with bugs |

PARAGRAPH TWO:

- | | |
|------------------------------------|--------------------|
| 1. researchers got their idea from | a. bounces off |
| 2. They copied how lotus leaves | b. resistance |
| 3. sits on the leaves or | c. something |
| 4. plastic could | d. crisis |
| 5. This material gives us | e. of settings |
| 6. used in all kinds | f. do the same |
| 7. It will offer anti-microbial | g. the lotus plant |
| 8. in any future health | h. repelled water |

LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/1912/191217-self-cleaning-plastic-4.html>

A new plastic (1) _____ and superbugs spreading diseases.

Scientists developed a new, (2) _____. They say it will

greatly cut bacteria (3) _____, kitchens, bathrooms and

other places with bugs. Researchers in Canada created the plastic. They say

it (4) _____ of bacteria and superbugs. The material is like

the plastic wrap we use to cover food. It can protect

(5) _____ bacteria, like worktops, (6) _____

hospitals.

The researchers got their idea from (7) _____. They copied

how lotus leaves repelled water. Water (8) _____ the leaves

or bounces off. A researcher hoped plastic could (9) _____.

She said: "This material gives us something that (10) _____

to all kinds of things." Another researcher said his technology could be used

in all (11) _____. It will offer anti-microbial resistance in

any (12) _____.

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/1912/191217-self-cleaning-plastic-4.html>

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PLASTIC SURVEY

From <https://breakingnewsenglish.com/1912/191217-self-cleaning-plastic-4.html>

Write five GOOD questions about plastic 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) _____

