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Level 4

NASA spacesuits with built-in toilet

23rd February, 2018

<https://breakingnewsenglish.com/1802/180223-spacesuit-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/1802/180223-spacesuit-4.html>

A new spacesuit might change fashion. The out-of-this-world suit has its own built-in toilet. It was designed by NASA engineers to help astronauts go to the toilet in emergency situations. It is called the Orion Crew Survival Systems Suit (OCSSS). It is for NASA's new spacecraft, Orion, which will travel farther away than previous space missions have. The spacecraft is not advanced enough to reach Mars. It will travel around the moon and back.

The spacesuits will let astronauts survive for six days in emergencies. The suit has a new waste disposal system so astronauts can do their business without taking it off. Astronauts can also eat in the suit. An astronaut explained how important the suit will be. He said: "People need to go the bathroom, even in a spacecraft. How is this waste treated such that it does not harm the astronaut?" The technology could be used in hospitals in the future.

Sources: <https://www.space.com/39710-orion-spacesuit-waste-disposal-system.html>
<http://www.gulftoday.ae/portal/6c0c05d3-a6b5-4f7e-8cbe-98481effbf51.aspx>
<https://www.theguardian.com/science/2017/feb/15/nasa-space-poop-challenge-suit-designs>

PHRASE MATCHING

From <https://breakingnewsenglish.com/1802/180223-spacesuit-4.html>

PARAGRAPH ONE:

- | | |
|------------------------------------|-------------------|
| 1. A new spacesuit might | a. Mars |
| 2. The out-of-this- | b. situations |
| 3. go to the toilet in emergency | c. and back |
| 4. Orion which will travel farther | d. change fashion |
| 5. previous space | e. away |
| 6. The spacecraft is not advanced | f. missions |
| 7. reach | g. enough |
| 8. It will travel around the moon | h. world suit |

PARAGRAPH TWO:

- | | |
|------------------------------------|-------------------------|
| 1. astronauts survive for six | a. suit will be |
| 2. The suit has a new waste | b. the astronaut |
| 3. astronauts can do | c. disposal system |
| 4. Astronauts can also eat | d. used in hospitals |
| 5. how important the | e. their business |
| 6. People need to go the bathroom, | f. in the suit |
| 7. it does not harm | g. days in emergencies |
| 8. The technology could be | h. even in a spacecraft |

LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/1802/180223-spacesuit-4.html>

A new spacesuit (1) _____. The out-of-this-world suit has its own built-in toilet. It was designed by NASA engineers (2) _____ go to the toilet (3) _____. It is called the Orion Crew Survival Systems Suit (OCSSS). It is for NASA's new spacecraft, Orion, which will (4) _____ than previous space missions have. The spacecraft (5) _____ enough to reach Mars. It will travel around the (6) _____.

The spacesuits will (7) _____ for six days in emergencies.

The suit has a (8) _____ system so astronauts can do their business (9) _____ off. Astronauts can also eat in the suit.

An astronaut explained (10) _____ suit will be. He said:

"People need to go the bathroom, even in a spacecraft. How is this waste

(11) _____ it does not harm the astronaut?" The

technology could be used in hospitals (12) _____.

PUT A SLASH (/) WHERE THE SPACES ARE

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SPACESUITS SURVEY

From <https://breakingnewsenglish.com/1802/180223-spacesuit-4.html>

Write five GOOD questions about spacesuits 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) _____

