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Level 1 – 1st April, 2020

Astronaut pee could help build moon bases

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<https://breakingnewsenglish.com/2004/200401-moon-bases-1.html>

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Please try Levels 0, 2 and 3. They are (a little) harder.

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THE READING

From <https://breakingnewsenglish.com/2004/200401-moon-bases-1.html>

Scientists say a new kind of concrete could be used on the Moon. It is from moon dust and urine from astronauts. A chemical in human urine helps things stick together. Scientists could use 3D printers to make the material. Space agencies could start using this material to make buildings for a moon base. NASA, the European Space Agency (ESA) and the China National Space Administration are all interested in building research stations on the Moon.

Astronaut pee and moon dust could save money. It costs \$10,000 to take 0.45kg of materials to the Moon. The urine and moon dust would be cheaper. A scientist said the urine of the people living on moon bases could be used. She added: "The actual water in the urine could be used for the mixture, together with [water] that can be obtained on the Moon." Scientists say they need to do more tests to find the best building material.

Sources: <https://www.eurasiareview.com/27032020-astronaut-urine-to-build-moon-bases/>
<https://www.cnet.com/news/astronauts-could-use-their-own-pee-to-build-future-moon-habitats/>
https://www.eurekalert.org/pub_releases/2020-03/f-sf-aut032720.php

PHRASE MATCHING

From <https://breakingnewsenglish.com/2004/200401-moon-bases-1.html>

PARAGRAPH ONE:

- | | |
|-------------------------|--------------------|
| 1. a new kind | a. agencies |
| 2. be used | b. stations |
| 3. urine from | c. use 3D printers |
| 4. helps things stick | d. astronauts |
| 5. Scientists could | e. of concrete |
| 6. Space | f. moon base |
| 7. make buildings for a | g. on the Moon |
| 8. building research | h. together |

PARAGRAPH TWO:

- | | |
|---------------------------|-------------------|
| 1. moon dust could | a. cheaper |
| 2. It costs \$10,000 | b. the urine |
| 3. moon dust would be | c. material |
| 4. people living | d. the mixture |
| 5. The actual water in | e. save money |
| 6. could be used for | f. tests |
| 7. they need to do more | g. to take 0.45kg |
| 8. find the best building | h. on moon bases |

LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/2004/200401-moon-bases-1.html>

Scientists say (1) _____ of concrete could be used on the Moon. It (2) _____ dust and urine from astronauts. A (3) _____ urine helps things stick together. Scientists could use 3D printers to make the material. Space agencies (4) _____ this material to make (5) _____ moon base. NASA, the European Space Agency (ESA) and the China National Space Administration are all interested (6) _____ stations on the Moon.

Astronaut pee and moon dust (7) _____. It costs \$10,000 to take 0.45kg (8) _____ the Moon. The urine and moon dust would be cheaper. A scientist said the urine of (9) _____ on moon bases could be used. She added: "The (10) _____ the urine could be used for the mixture, together with [water] that (11) _____ on the Moon." Scientists say they need to do more tests to find (12) _____ material.

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2004/200401-moon-bases-1.html>

Scientists say a new kind of concrete could be used on the Moon. It is from moon dust and urine from astronauts. A chemical in human urine helps things stick together. Scientists could use 3D printers to make the material. Space agencies could start using this material to make buildings for a moon base. NASA, the European Space Agency (ESA) and the China National Space Administration are all interested in building research stations on the Moon. Astronaut pee and moon dust could save money. It costs \$10,000 to take 0.45 kg of material to the Moon. The urine and moon dust would be cheaper. A scientist said the urine of the people living on moon bases could be used. She added: "The actual water in the urine could be used for the mixture, together with [water] that can be obtained on the Moon." Scientists say they need to do more tests to find the best building material.

MOON BASES SURVEY

From <https://breakingnewsenglish.com/2004/200401-moon-bases-4.html>

Write five GOOD questions about Moon bases 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) _____

