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**Level 0 – 1st April, 2020**

## **Astronaut pee could help build moon bases**

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

<https://breakingnewsenglish.com/2004/200401-moon-bases-0.html>

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**Please try Levels 1, 2 and 3. They are (a little) harder.**

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# THE READING

From <https://breakingnewsenglish.com/2004/200401-moon-bases-0.html>

A new kind of concrete could help build things on the Moon. It is a mix of moon dust and urine from astronauts. A chemical in urine helps things stick together. Scientists could use 3D printers to make the new material. NASA and other space agencies want to build research stations on the Moon.

The new concrete 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 actual water in the urine could be used for the mixture." 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](https://www.eurekalert.org/pub_releases/2020-03/f-sf-aut032720.php)

# PHRASE MATCHING

From <https://breakingnewsenglish.com/2004/200401-moon-bases-0.html>

## PARAGRAPH ONE:

- |                             |                    |
|-----------------------------|--------------------|
| 1. build things             | a. use 3D printers |
| 2. It is a mix of moon dust | b. space agencies  |
| 3. helps things stick       | c. and urine       |
| 4. Scientists could         | d. stations        |
| 5. make the new             | e. together        |
| 6. NASA and other           | f. build           |
| 7. want to                  | g. material        |
| 8. research                 | h. on the Moon     |

## PARAGRAPH TWO:

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

# LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/2004/200401-moon-bases-0.html>

A new (1) \_\_\_\_\_ could help build things on the Moon. It (2) \_\_\_\_\_ of moon dust and urine from astronauts. (3) \_\_\_\_\_ urine helps things stick together. (4) \_\_\_\_\_ 3D printers to make the new material. NASA (5) \_\_\_\_\_ agencies want to build research (6) \_\_\_\_\_ Moon.

The (7) \_\_\_\_\_ save money. It costs \$10,000 to take 0.45kg (8) \_\_\_\_\_ the Moon. The urine and moon (9) \_\_\_\_\_ cheaper. A scientist said: "The (10) \_\_\_\_\_ the urine could be used (11) \_\_\_\_\_." Scientists say they need to do more tests to (12) \_\_\_\_\_ building material.

# PUT A SLASH ( / ) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2004/200401-moon-bases-0.html>

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nd dust and urine from astronauts. A chemical in urine helps things stick t

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he new concrete could save money. It costs \$10,000 to take 0.45 kg of ma

terial to the Moon. The urine and moon dust would be cheaper. A scientist

said: "The actual water in the urine could be used for the mixture." Scienti

sts 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) \_\_\_\_\_

*Astronaut pee could help build moon bases – 1st April, 2020*  
More free lessons at [breakingnewsenglish.com](http://breakingnewsenglish.com)

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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) \_\_\_\_\_

