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Level 6 – 30th October, 2020

Scientists say there is water on the Moon

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<https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

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Please try Levels 4 and 5 (they are easier).

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THE ARTICLE

From <https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

Scientists have announced the breathtaking news that there is water on the Moon. They said the Moon may hold water in more places and in larger amounts than they previously thought. The scientists are from NASA in the USA. Based on a detailed analysis of two separate studies, they confirmed the presence of water molecules on the side of the Moon we can see. Ice was thought to exist on the dark side of the Moon, which is permanently blocked from sunlight*. However, NASA said it found water on the sunlit parts of the lunar surface. The space agency says it identified a third of a litre of water in one area. This was not enough to form ice as the molecules were trapped in a cubic metre of rock.

NASA's discovery could pave the way for more space exploration. It could be a game-changer in the quest to explore the heavens. It could accelerate the building of permanent bases on the Moon as it opens up the possibility of there being a sustainable source of drinking water. This could be turned into rocket fuel one day. A NASA spokesperson explained the significance of the discovery. He said: "Water is extremely critical for deep space exploration. It's a resource of direct value for our astronauts. Any time we don't need to pack water for our trip, we have an opportunity to take other useful items with us." That means astronauts could transport materials to be used to carry out bigger scientific experiments.

* Error: There is no dark side of the Moon. The side we cannot see actually does get sunlight.

Sources: <https://learningenglish.voanews.com/a/scientists-moon-holds-more-water-than-ever-thought/5637832.html>
<https://www.npr.org/2020/10/26/927869069/water-on-the-moon-nasa-confirms-water-molecules-on-our-neighbors-sunny-surface>
<https://www.sciencenews.org/article/water-moon-sun-sofia-telescope>

WARM-UPS

1. THE MOON: Students walk around the class and talk to other students about the Moon. Change partners often and share your findings.

2. CHAT: In pairs / groups, talk about these topics or words from the article. What will the article say about them? What can you say about these words and your life?

scientists / breathtaking / water / the Moon / molecules / sunlight / surface / rock / discovery / quest / the heavens / permanent / exploration / astronauts / experiments

Have a chat about the topics you liked. Change topics and partners frequently.

3. MOON BASES: Students A **strongly** believe moon bases are a good idea; Students B **strongly** believe they aren't. Change partners again and talk about your conversations.

4. BREATHTAKING NEWS: Complete this table with your partner(s). What is the news story? What do you think of it? Change partners often and share what you wrote.

	The News Story	What You Think Of It
Aliens invade		
COVID-19 cure found		
Man is pregnant		
Pill means we can live to be 200 years old		
All frogs now extinct		
Baby speaks 28 languages		

5. WATER: Spend one minute writing down all of the different words you associate with the word "water". Share your words with your partner(s) and talk about them. Together, put the words into different categories.

6. EXPLORATION: Rank these with your partner. Put the best places to explore at the top. Change partners often and share your rankings.

- Space
- The human mind
- The ocean's bottom
- Crimes
- Business opportunities
- Life's unsolved mysteries
- Amazon jungles
- The meaning of life

VOCABULARY MATCHING

Paragraph 1

- | | |
|-----------------|---|
| 1. breathtaking | a. Of, determined by, or resembling the Moon. |
| 2. analysis | b. A group of atoms bonded together, representing the smallest fundamental unit of a chemical compound that can take part in a chemical reaction. |
| 3. molecule | c. The detailed examination of something, typically as a basis for discussion or interpretation. |
| 4. permanently | d. A unit of measurement equal to the volume of a cube. |
| 5. lunar | e. Astonishing or awe-inspiring in quality, so as to take one's breath away. |
| 6. surface | f. In a way that lasts or remains unchanged indefinitely; for all time. |
| 7. cubic | g. The outside part or uppermost layer of something. |

Paragraph 2

- | | |
|------------------|---|
| 8. pave the way | h. The action of traveling in or through an unfamiliar area in order to learn about it. |
| 9. exploration | i. Increase in the speed, amount or extent of. |
| 10. quest | j. The quality of being worthy of attention; importance. |
| 11. the heavens | k. A long or difficult search for something. |
| 12. accelerate | l. Able to be maintained at a certain rate or level. |
| 13. sustainable | m. The sky and space. |
| 14. significance | n. Create the circumstances to enable something to happen or be done. |

BEFORE READING / LISTENING

From <https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

1. TRUE / FALSE: Read the headline. Guess if a-h below are true (T) or false (F).

- a. Scientists say moon water means people must take lots of breaths. **T / F**
- b. There is more water on the Moon than scientists thought. **T / F**
- c. NASA scientists analysed 12 studies in their research. **T / F**
- d. Scientists say the water on the Moon formed into lots of rock ice. **T / F**
- e. The moon water could lead to more exploration in space. **T / F**
- f. NASA announced it will build permanent moon bases. **T / F**
- g. Moon water could be used to make rocket fuel in the future. **T / F**
- h. Moon water could enable astronauts to conduct bigger experiments. **T / F**

2. SYNONYM MATCH:

Match the following synonyms. The words in **bold** are from the news article.

- | | |
|----------------------------|---------------|
| 1. announced | a. create |
| 2. amounts | b. finding |
| 3. presence | c. precede |
| 4. blocked | d. volumes |
| 5. form | e. transfer |
| 6. pave the way for | f. obstructed |
| 7. accelerate | g. usefulness |
| 8. discovery | h. reported |
| 9. value | i. speed up |
| 10. transport | j. existence |

3. PHRASE MATCH: (Sometimes more than one choice is possible.)

- | | |
|--------------------------------------|----------------------------------|
| 1. breathtaking | a. way for more |
| 2. in larger amounts than they | b. scientific experiments |
| 3. permanently blocked | c. metre of rock |
| 4. it found water on the sunlit | d. significance of the discovery |
| 5. molecules were trapped in a cubic | e. from sunlight |
| 6. NASA's discovery could pave the | f. of drinking water |
| 7. a game-changer in the quest to | g. news |
| 8. a sustainable source | h. explore the heavens |
| 9. A NASA spokesperson explained the | i. parts of the lunar surface |
| 10. carry out bigger | j. previously thought |

GAP FILL

From <https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

Scientists have announced the (1) _____ news that there is water on the Moon. They said the Moon may hold water in more places and in larger amounts than they (2) _____ thought. The scientists are from NASA in the USA. Based on a detailed (3) _____ of two separate studies, they confirmed the presence of water (4) _____ on the side of the Moon we can see. Ice was thought to exist on the dark side of the Moon, which is permanently (5) _____ from sunlight. However, NASA said it found water on the sunlit parts of the (6) _____ surface. The space agency says it identified a (7) _____ of a litre of water in one area. This was not enough to form ice as the molecules were trapped in a (8) _____ metre of rock.

previously
blocked
breathhtaking
cubic
molecules
third
analysis
lunar

NASA's discovery could (9) _____ the way for more space exploration. It could be a game-changer in the (10) _____ to explore the heavens. It could (11) _____ the building of permanent bases on the Moon as it opens up the possibility of there being a (12) _____ source of drinking water. This could be turned into rocket fuel one day. A NASA spokesperson explained the (13) _____ of the discovery. He said: "Water is extremely critical for deep space exploration. It's a resource of (14) _____ value for our astronauts. Any time we don't need to pack water for our trip, we have an (15) _____ to take other useful items with us." That means astronauts could transport materials to be used to carry out bigger (16) _____ experiments.

quest
scientific
sustainable
accelerate
opportunity
pave
direct
significance

LISTENING – Guess the answers. Listen to check.

From <https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

- 1) Scientists have announced the _____
 - a. taking breath news
 - b. breath taken news
 - c. breathtaking news
 - d. breathless news
- 2) hold water in more places and in larger amounts than _____
 - a. they previous thought
 - b. they previously thought
 - c. they previously thoughts
 - d. they previously fought
- 3) Based on a detailed analysis of _____
 - a. two separately studies
 - b. two separated studies
 - c. two separates studies
 - d. two separate studies
- 4) Ice was thought to exist on the dark side of the Moon, which is _____
 - a. permanently blacked
 - b. permanently block
 - c. permanently booked
 - d. permanently blocked
- 5) This was not enough to form ice as the molecules were trapped in a _____ rock
 - a. cube metre of
 - b. cupid metre of
 - c. cue pick metre of
 - d. cubic metre of
- 6) It could be a game-changer in the quest to _____
 - a. explore a heaven
 - b. explore the heathens
 - c. explore the heaving
 - d. explore the heavens
- 7) It could accelerate the building of permanent _____ Moon
 - a. basis on the
 - b. bases on the
 - c. base is on the
 - d. bays is on the
- 8) being a sustainable source of drinking water. This could be turned _____
 - a. into rocket fuel
 - b. into rocketed fool
 - c. into rocket feel
 - d. into rockets duel
- 9) pack water for our trip, we have an opportunity to take other _____ us
 - a. useful item with
 - b. useful items within
 - c. useful item wither
 - d. useful items with
- 10) astronauts could transport materials to be used to carry out _____
 - a. bigger scientific experiment
 - b. bigger scientific experience
 - c. bigger scientific experiments
 - d. bigger scientific experimental

LISTENING – Listen and fill in the gaps

From <https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

Scientists have announced the (1) _____ there is water on the Moon. They said the Moon may hold water (2) _____ and in larger amounts than they previously thought. The scientists are from NASA in the USA. Based on (3) _____ of two separate studies, they confirmed the presence of water molecules on the side of the Moon we can see. Ice was (4) _____ on the dark side of the Moon, which is permanently blocked from sunlight. However, NASA said it found water on (5) _____ of the lunar surface. The space agency says it identified a third of a litre of water in one area. This was not enough to (6) _____ the molecules were trapped in a cubic metre of rock.

NASA's discovery could (7) _____ for more space exploration. It could be a game-changer in the (8) _____ the heavens. It could accelerate the building of permanent bases on the Moon as it opens up the possibility of there being (9) _____ of drinking water. This could be turned into (10) _____ day. A NASA spokesperson explained the significance of the discovery. He said: "Water is (11) _____ deep space exploration. It's a resource of direct value for our astronauts. Any time we don't need to pack water for our trip, we have an (12) _____ other useful items with us." That means astronauts could transport materials to be used to carry out bigger scientific experiments.

COMPREHENSION QUESTIONS

From <https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

1. What adjective did the article use to describe this news?
2. How many studies did NASA scientists use in their research?
3. What is the dark side of the Moon permanently blocked from?
4. How much water did scientists find in one area?
5. In how much rock are water molecules trapped in one area?
6. What could the discovery of water on the Moon pave the way for?
7. What could the discovery accelerate the construction of?
8. What could water on the Moon be used to make in the future?
9. What did NASA say water is extremely critical for?
10. What could scientists do now do on a larger scale?

MULTIPLE CHOICE - QUIZ

From <https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

- 1) What adjective did the article use to describe this news?
 - a) earthshattering
 - b) wonderful
 - c) breathtaking
 - d) ground-breaking
- 2) How many studies did NASA scientists use in their research?
 - a) 2
 - b) 3
 - c) 4
 - d) 5
- 3) What is the dark side of the Moon permanently blocked from?
 - a) Earth light
 - b) moonlight
 - c) solar blasts
 - d) sunlight
- 4) How much water did scientists find in one area?
 - a) half a litre
 - b) a third of a litre
 - c) a quarter of a litre
 - d) a fifth of a litre
- 5) In how much rock are water molecules trapped in one area?
 - a) a millilitre
 - b) litres and litres
 - c) a cubic metre
 - d) a whole swimming pool worth
- 6) What could the discovery of water on the Moon pave the way for?
 - a) better roads and pavements
 - b) more space exploration
 - c) better technology
 - d) space tourism
- 7) What could the discovery accelerate the construction of?
 - a) microchips
 - b) better rockets
 - c) a Moon museum
 - d) moon bases
- 8) What could water on the Moon be used to make in the future?
 - a) concrete
 - b) rocket fuel
 - c) flowers
 - d) noodles
- 9) What did NASA say water is extremely critical for?
 - a) deep space exploration
 - b) life on Mars
 - c) air conditioning
 - d) raising frogs
- 10) What could scientists do now do on a larger scale?
 - a) build moon bases
 - b) space tourism
 - c) build rockets
 - d) scientific experiments

ROLE PLAY

From <https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

Role A – Space

You think space is the most important thing to explore. Tell the others three reasons why. Tell them why their things aren't as important to explore. Also, tell the others which is the least important of these of these (and why): the human mind, the meaning of life or the bottom of the ocean.

Role B – The Human Mind

You think the human mind is the most important thing to explore. Tell the others three reasons why. Tell them why their things aren't as important to explore. Also, tell the others which is the least important of these of these (and why): space, the meaning of life or the bottom of the ocean.

Role C – The Meaning of Life

You think the meaning of life is the most important thing to explore. Tell the others three reasons why. Tell them why their things aren't as important to explore. Also, tell the others which is the least important of these of these (and why): the human mind, space or the bottom of the ocean.

Role D – The Bottom of the Ocean

You think the bottom of the ocean is the most important thing to explore. Tell the others three reasons why. Tell them why their things aren't as important to explore. Also, tell the others which is the least important of these of these (and why): the human mind, the meaning of life or space.

AFTER READING / LISTENING

From <https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

1. WORD SEARCH: Look in your dictionary / computer to find collocates, other meanings, information, synonyms ... for the words 'water' and 'moon'.

water	moon
--------------	-------------

- Share your findings with your partners.
- Make questions using the words you found.
- Ask your partner / group your questions.

2. ARTICLE QUESTIONS: Look back at the article and write down some questions you would like to ask the class about the text.

- Share your questions with other classmates / groups.
- Ask your partner / group your questions.

3. GAP FILL: In pairs / groups, compare your answers to this exercise. Check your answers. Talk about the words from the activity. Were they new, interesting, worth learning...?

4. VOCABULARY: Circle any words you do not understand. In groups, pool unknown words and use dictionaries to find their meanings.

5. TEST EACH OTHER: Look at the words below. With your partner, try to recall how they were used in the text:

<ul style="list-style-type: none">• news• larger• two• see• sunlit• form	<ul style="list-style-type: none">• pave• opens• drinking• deep• value• carry
---	--

THE MOON SURVEY

From <https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

Write five GOOD questions about the Moon 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.

THE MOON DISCUSSION

STUDENT A's QUESTIONS (Do not show these to student B)

1. What did you think when you read the headline?
2. What images are in your mind when you hear the word 'water'?
3. What do you know about the Moon?
4. What was the last piece of breathtaking news you heard?
5. What do you think about there being water on the Moon?
6. What do you know about water?
7. What do you know about the dark side of the Moon?
8. What would you like to know about the Moon?
9. How important is the Moon in your culture?
10. Would you like to go to the Moon?

Scientists say there is water on the Moon – 30th October, 2020
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THE MOON DISCUSSION

STUDENT B's QUESTIONS (Do not show these to student A)

11. Did you like reading this article? Why/not?
12. What do you think of when you hear the word 'moon'?
13. What do you think about what you read?
14. What was the last thing to take your breath away?
15. How important is space exploration?
16. Why might permanent moon bases be important?
17. What do you think being an astronaut is like?
18. What do you think of people living on the Moon one day?
19. What experiments might take place on the Moon?
20. What questions would you like to ask the scientists?

DISCUSSION (Write your own questions)

STUDENT A's QUESTIONS (Do not show these to student B)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

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DISCUSSION (Write your own questions)

STUDENT B's QUESTIONS (Do not show these to student A)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

LANGUAGE - CLOZE

From <https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

Scientists have announced the (1) _____ news that there is water on the Moon. They said the Moon may hold water in more places and (2) _____ larger amounts than they previously thought. The scientists are from NASA in the USA. Based on a detailed analysis (3) _____ two separate studies, they confirmed the presence of water molecules on the side of the Moon we can see. Ice was thought to exist on the dark side of the Moon, which is (4) _____ blocked from sunlight. However, NASA said it found water on the sunlit parts of the (5) _____ surface. The space agency says it identified a third of a litre of water in one area. This was not enough to form ice as the molecules were trapped in a (6) _____ metre of rock.

NASA's discovery could (7) _____ the way for more space exploration. It could be a game-changer in the quest to explore the heavens. It could accelerate the building of permanent bases on the Moon as it opens up the possibility of (8) _____ being a sustainable source of drinking water. This could be turned into rocket (9) _____ one day. A NASA spokesperson explained the significance of the discovery. He said: "Water is extremely critical for (10) _____ space exploration. It's a resource of direct value for our astronauts. Any time we don't need to (11) _____ water for our trip, we have an opportunity to take other useful items with us." That means astronauts could transport materials to be used to carry (12) _____ bigger scientific experiments.

Put the correct words from the table below in the above article.

- | | | | | |
|-----|----------------|------------------|---------------|-------------|
| 1. | (a) breathless | (b) breathtaking | (c) breather | (d) breathe |
| 2. | (a) as | (b) in | (c) by | (d) to |
| 3. | (a) off | (b) as | (c) by | (d) of |
| 4. | (a) permanence | (b) permanently | (c) permanent | (d) perm |
| 5. | (a) molar | (b) solar | (c) polar | (d) lunar |
| 6. | (a) cubist | (b) cubism | (c) cubic | (d) cubes |
| 7. | (a) pave | (b) sidewalk | (c) asphalt | (d) tar |
| 8. | (a) what | (b) then | (c) there | (d) those |
| 9. | (a) stimulus | (b) sustenance | (c) kindling | (d) fuel |
| 10. | (a) deep | (b) depth | (c) deeply | (d) deepen |
| 11. | (a) pack | (b) mule | (c) box | (d) bundle |
| 12. | (a) out | (b) in | (c) down | (d) over |

SPELLING

From <https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

Paragraph 1

1. ekbhanittgar news
2. in larger amounts than they elvoriuspy thought
3. Based on a detailed anssaliy
4. the presence of water esmuellco
5. parts of the rnual surface
6. trapped in a ibcuc metre of rock

Paragraph 2

7. pave the way for more space ptlerioxona
8. It could ecraecltea the building
9. nnrtmeaep bases on the Moon
10. a letuiaabsns source of drinking water
11. Water is eteeyxlmr critical
12. sstrnaauot could transport materials

PUT THE TEXT BACK TOGETHER

From <https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

Number these lines in the correct order.

- (**1**) Scientists have announced the breathtaking news that there is water on the Moon. They said the Moon may hold
- () our trip, we have an opportunity to take other useful items with us." That means
- () fuel one day. A NASA spokesperson explained the significance of the discovery. He said: "Water is extremely
- () NASA's discovery could pave the way for more space exploration. It could be a game-changer in the quest
- () critical for deep space exploration. It's a resource of direct value for our astronauts. Any time we don't need to pack water for
- () of water molecules on the side of the Moon we can see. Ice was thought to exist on the dark
- () enough to form ice as the molecules were trapped in a cubic metre of rock.
- () side of the Moon, which is permanently blocked from sunlight. However, NASA said it found water on the sunlit parts of the lunar
- () to explore the heavens. It could accelerate the building of permanent bases on the Moon as it opens
- () surface. The space agency says it identified a third of a litre of water in one area. This was not
- () NASA in the USA. Based on a detailed analysis of two separate studies, they confirmed the presence
- () water in more places and in larger amounts than they previously thought. The scientists are from
- () up the possibility of there being a sustainable source of drinking water. This could be turned into rocket
- () astronauts could transport materials to be used to carry out bigger scientific experiments.

PUT THE WORDS IN THE RIGHT ORDER

From <https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

1. Breathtaking water on there is news the Moon .
2. two studies . separate analysis of detailed A
3. Moon . the of on dark the Exist side
4. water . third litre of of a Identified a
5. of rock . a metre in Molecules cubic trapped
6. for way exploration . more Pave the space
7. permanent bases . of the could accelerate building It
8. rocket be fuel . into could This turned
9. value resource direct astronauts . of A our for
10. bigger to used scientific Be out experiments . carry

CIRCLE THE CORRECT WORD (20 PAIRS)

From <https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

Scientists have announced the *breathtaking* / *breathless* news that there is water on the Moon. They said the Moon may *hold* / *grasp* water in more places and in larger *volume* / *amounts* than they *previous* / *previously* thought. The scientists are from NASA in the USA. Based on a detailed analysis of two separate studies, they *confirmed* / *confirmation* the presence of water molecules on the *border* / *side* of the Moon we can see. Ice was thought to exist on the *darkly* / *dark* side of the Moon, which is permanently blocked from sunlight. However, NASA said it found water on the sunlit parts of the *solar* / *lunar* surface. The space agency says it identified a *third* / *thrice* of a litre of water in one area. This was not enough to form ice as the molecules were *trapped* / *trebled* in a cubic metre of rock.

NASA's discovery could *asphalt* / *pave* the way for more space exploration. It could be a game-changer in the quest to *implore* / *explore* the heavens. It could accelerate the building of permanent *basis* / *bases* on the Moon as it opens *down* / *up* the possibility of there being a sustainable source of drinking water. This could be turned *into* / *onto* rocket fuel one day. A NASA spokesperson explained the significance of the discovery. He said: "Water is extremely *critic* / *critical* for deep space exploration. It's a resource *off* / *of* direct value for our astronauts. *Any* / *All* time we don't need to pack water for our trip, we have an opportunity to take *other* / *another* useful items with us." That means astronauts could transport materials to be used to carry *in* / *out* bigger scientific experiments.

Talk about the connection between each pair of words in italics, and why the correct word is correct.

INSERT THE VOWELS (a, e, i, o, u)

From <https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

Sc__nt_sts h_v_ _nn__nc_d th_ br__tht_k_ng n_ws th_t
th_r_ _s w_t_r _n th_ M__n. Th_y s__d th_ M__n m_y
h_ld w_t_r _n m_r_ pl_c_s _nd _n l_rg_r _m__nts
th_n th_y pr_v___sly th__ght. Th_ sc__nt_sts _r_ fr_m
N_S_ _n th_ _S_. B_s_d _n _ d_t__l_d _n_lys_s _f
tw_ s_p_r_t_ st_d__s, th_y c_nf_rm_d th_ pr_s_nc_ _f
w_t_r m_l_c_l_s _n th_ s_d_ _f th_ M__n w_ c_n s__.
c w_s th__ght t_ _x_st _n th_ d_rk s_d_ _f th_
M__n, wh_ch _s p_rm_n_ntly bl_ck_d fr_m s_nl_gh_t.
H_w_v_r, N_S_ s__d _t f__nd w_t_r _n th_ s_nl_t
p_rts _f th_ l_n_r s_rf_c_. Th_ sp_c_ _g_ncy s_ys _t
_d_nt_f__d _ th_r_d _f _ l_tr_ _f w_t_r _n _n_ _r__.
Th_s w_s n_t _n__gh t_ f_rm _c_ _s th_ m_l_c_l_s
w_r_ tr_pp_d _n _ c_b_c m_tr_ _f r_ck.

N_S_'s d_sc_v_ry c__ld p_v_ th_ w_y f_r m_r_ sp_c_
_xpl_r_t__n. _t c__ld b_ _ g_m_-chng_r _n th_ q__st
t_ _xpl_r_ th_ h__v_ns. _t c__ld _cc_l_r_t_ th_
b__ldng _f p_rm_n_nt b_s_s _n th_ M__n _s _t _p_ns
p th p_ss_b_l_ty _f th_r_ b__ng _ s_st__n_bl_
s__rc_ _f dr_nkng w_t_r. Th_s c__ld b_ t_rn_d _nt_
r_ck_t f__l _n_ d_y. _ N_S_ sp_k_sp_rs_n _xpl__n_d
th_ s_gn_f_c_nc_ _f th_ d_sc_v_ry. H_ s__d: "W_t_r _s
_xtr_m_ly cr_t_c_l f_r d__p sp_c_ _xpl_r_t__n. _t's _
r_s__rc_ _f d_r_ct v_l__ f_r __r _str_n__ts. _ny t_m_
w_ d_n't n__d t_ p_ck w_t_r f_r __r tr_p, w_ h_v_
_n _pp_rt_n_ty t_ t_k_ _th_r _s_f_l _t_ms w_th _s."
Th_t m__ns _str_n__ts c__ld tr_nsp_rt m_t_r__ls t_ b_
_s_d t_ c_rry __t b_gg_r sc__nt_f_c _xp_r_m_nts.

PUNCTUATE THE TEXT AND ADD CAPITALS

From <https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

scientists have announced the breathtaking news that there is water on the moon they said the moon may hold water in more places and in larger amounts than they previously thought the scientists are from nasa in the usa based on a detailed analysis of two separate studies they confirmed the presence of water molecules on the side of the moon we can see ice was thought to exist on the dark side of the moon which is permanently blocked from sunlight however nasa said it found water on the sunlit parts of the lunar surface the space agency says it identified a third of a litre of water in one area this was not enough to form ice as the molecules were trapped in a cubic metre of rock

nasas discovery could pave the way for more space exploration it could be a gamechanger in the quest to explore the heavens it could accelerate the building of permanent bases on the moon as it opens up the possibility of there being a sustainable source of drinking water this could be turned into rocket fuel one day a nasa spokesperson explained the significance of the discovery he said water is extremely critical for deep space exploration its a resource of direct value for our astronauts any time we dont need to pack water for our trip we have an opportunity to take other useful items with us that means astronauts could transport materials to be used to carry out bigger scientific experiments

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

Scientists have announced the breathtaking news that there is water on the Moon. They said the Moon may hold water in more places and in larger amounts than they previously thought. The scientists are from NASA in the USA. Based on a detailed analysis of two separate studies, they confirmed the presence of water molecules on the side of the Moon we can see. Ice was thought to exist on the dark side of the Moon, which is permanently blocked from sunlight. However, NASA said it found water on the sunlit part of the lunar surface. The space agency says it identified a third of a litre of water in one area. This was not enough to form ice as the molecules were trapped in a cubic metre of rock. NASA's discovery could pave the way for more space exploration. It could be a game-changer in the quest to explore the heavens. It could accelerate the building of permanent bases on the Moon as it opens up the possibility of there being a sustainable source of drinking water. This could be turned into rocket fuel one day. A NASA spokesperson explained the significance of the discovery. He said: "Water is extremely critical for deep space exploration. It's a resource of direct value for our astronauts. Anytime we don't need to pack water for our trip, we have an opportunity to take other useful items with us." That means astronauts could transport material to be used to carry out bigger scientific experiments.

ACADEMIC WRITING

From <https://breakingnewsenglish.com/2010/201030-water-on-the-moon.html>

It would be great to live on the Moon one day. Discuss.

HOMework

1. VOCABULARY EXTENSION: Choose several of the words from the text. Use a dictionary or Google's search field (or another search engine) to build up more associations / collocations of each word.

2. INTERNET: Search the Internet and find out more about this news story. Share what you discover with your partner(s) in the next lesson.

3. THE MOON: Make a poster about the Moon. Show your work to your classmates in the next lesson. Did you all have similar things?

4. MOON LIFE: Write a magazine article about setting up habitable areas the Moon. Include imaginary interviews with people who are for and against this.

Read what you wrote to your classmates in the next lesson. Write down any new words and expressions you hear from your partner(s).

5. WHAT HAPPENED NEXT? Write a newspaper article about the next stage in this news story. Read what you wrote to your classmates in the next lesson. Give each other feedback on your articles.

6. LETTER: Write a letter to an expert on the Moon. Ask him/her three questions about it. Give him/her three of your ideas on what we could do every day if we lived on the Moon. Read your letter to your partner(s) in your next lesson. Your partner(s) will answer your questions.

ANSWERS

VOCABULARY (p.4)

1. e 2. c 3. b 4. f 5. a 6. g 7. d
8. n 9. h 10. k 11. m 12. i 13. l 14. j

TRUE / FALSE (p.5)

- a F b T c F d F e T f F g T h T

SYNONYM MATCH (p.5)

1. h	2. d	3. j	4. f	5. a
6. c	7. i	8. b	9. g	10. e

COMPREHENSION QUESTIONS (p.9)

1. Breathtaking
2. Two
3. Sunlight
4. A third of a litre
5. A cubic metre
6. More space exploration
7. Moon bases
8. Rocket fuel
9. Deep space exploration
10. Scientific experiments

WORDS IN THE RIGHT ORDER (p.20)

1. Breathtaking news there is water on the Moon.
2. A detailed analysis of two separate studies.
3. Exist on the dark side of the Moon.
4. Identified a third of a litre of water.
5. Molecules trapped in a cubic metre of rock.
6. Pave the way for more space exploration.
7. It could accelerate the building of permanent bases.
8. This could be turned into rocket fuel.
9. A resource of direct value for our astronauts.
10. Be used to carry out bigger scientific experiments.

MULTIPLE CHOICE - QUIZ (p.10)

1. c 2. a 3. d 4. b 5. c 6. d 7. b 8. d 9. a 10. d

ALL OTHER EXERCISES

Please check for yourself by looking at the Article on page 2.
(It's good for your English ;-)