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Level 3 – 17th February, 2020

Scientists start huge search for ET

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<https://breakingnewsenglish.com/2002/200217-extraterrestrial-life.html>

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Please try Levels 0, 1 and 2 (they are easier).

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THE ARTICLE

From <https://breakingnewsenglish.com/2002/200217-extraterrestrial-life.html>

Is there life on other planets? Are we alone? These are two of the biggest questions humans have been asking for centuries. Now, scientists have launched a new search to find out if there is... anybody... out there. The researchers are from the SETI Institute in California. SETI stands for Search for Extraterrestrial Intelligence. The mission of SETI is, "to explore, understand and explain the origin and nature of life in the universe and the evolution of intelligence". SETI scientists will use new technologies to scan the heavens for signs of alien life. They will share their data with the public. SETI hopes that by sharing data, "citizen scientists" could spot things missed by scientists.

SETI's astronomers will use 28 giant radio telescopes in their search for alien life. The telescopes are located all around the world. It will be the first time that a project will search the entire sky for signs of alien life. The signs they are looking for are called "techno-signatures". These include things like alien chemicals, large amounts of oxygen, non-natural structures, and light from lasers. Astronomer Dr Tony Beasley said: "Determining whether we are alone in the universe as technologically capable life is among the most compelling questions in science." Another scientist, Jill Tarter, said we are getting closer to finding out if alien life exists. She said this science is now no longer fiction, but "almost mainstream".

Sources: <https://www.independent.co.uk/life-style/gadgets-and-tech/news/alien-life-extraterrestrials-seti-latest-observatory-a9336681.html>
<https://phys.org/news/2020-02-technologies-strategies-extraterrestrial-life.html>
<https://www.seti.org/about-us/mission>

WARM-UPS

1. EXTRATERRESTRIAL LIFE: Students walk around the class and talk to other students about extraterrestrial life. 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?

life / planets / questions / scientists / extraterrestrial / evolution / alien / intelligence / astronomer / telescope / project / sky / signature / chemical / universe / fiction

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

3. MORE MONEY: Students A **strongly** believe we should spend more money to find aliens; Students B **strongly** believe we should wait for aliens to find us. Change partners again and talk about your conversations.

4. BIG QUESTIONS: What are the answers to these big questions? Complete this table and share what you wrote with your partner(s). Change partners often.

	Answer	Why You Think So
Are we alone?		
What is the meaning of life?		
How can we get rich?		
What is the secret to looking young?		
What happens after you die?		
Why is English so difficult?		

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

6. SPACE: Rank these with your partner. Put the most interesting things about space at the top. Change partners often and share your rankings.

- Aliens
- Colonizing Mars
- Black Holes
- Comets
- The Moon
- The Aurora Borealis
- Space dust
- Zero gravity

VOCABULARY MATCHING

Paragraph 1

- | | |
|--------------|--|
| 1. alone | a. The point or place where something begins. |
| 2. centuries | b. Someone who is from a country. |
| 3. launched | c. Having no one else present; on one's own. |
| 4. mission | d. Periods of one hundred years. |
| 5. origin | e. An important task or assignment carried out for political, religious, or commercial reasons, usually involving travel. |
| 6. evolution | f. The process by which different kinds of living things are thought to have developed and changed from earlier forms during the history of the earth. |
| 7. citizen | g. Started a new project or activity. |

Paragraph 2

- | | |
|----------------|---|
| 8. astronomer | h. Having the ability, fitness, or quality necessary to do or achieve a specified thing. |
| 9. telescope | i. A building or other object constructed from different parts. |
| 10. entire | j. A special pattern, product, or characteristic that can easily identify something or someone. |
| 11. signatures | k. Someone who studies space and the physical universe. |
| 12. structure | l. Ideas, opinions, or activities that are thought of by most people as being normal. |
| 13. capable | m. Something we look through to make faraway objects look nearer, especially things in space. |
| 14. mainstream | n. With no part left out; whole. |

BEFORE READING / LISTENING

From <https://breakingnewsenglish.com/2002/200217-extraterrestrial-life.html>

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

- a. The article asked whether or not we were alone. **T / F**
- b. The scientists are from an institute in Hawaii. **T / F**
- c. The scientists say they will go to heaven for doing their work. **T / F**
- d. Citizen scientists will help real scientists to spot signs of aliens. **T / F**
- e. Scientists will use 28 radio telescopes to look for alien life. **T / F**
- f. This is the second time scientists have searched the whole sky. **T / F**
- g. A scientist said we are getting no closer to finding alien life. **T / F**
- h. A scientist said science fiction is now like mainstream science. **T / F**

2. SYNONYM MATCH: (The words in **bold** are from the news article.)

- | | |
|-----------------------|-----------------|
| 1. alone | a. is alive |
| 2. launched | b. goal |
| 3. stands for | c. hunt |
| 4. mission | d. started |
| 5. data | e. normal |
| 6. search | f. powerful |
| 7. entire | g. information |
| 8. compelling | h. by ourselves |
| 9. exists | i. whole |
| 10. mainstream | j. means |

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

- | | |
|---|-------------------------|
| 1. questions humans have been | a. missed by scientists |
| 2. explain the origin and nature | b. longer fiction |
| 3. the evolution of | c. sky for signs |
| 4. They will share their data | d. asking for centuries |
| 5. "citizen scientists" could spot things | e. intelligence |
| 6. astronomers will use 28 giant | f. questions in science |
| 7. search the entire | g. of oxygen |
| 8. large amounts | h. with the public |
| 9. the most compelling | i. radio telescopes |
| 10. She said this science is now no | j. of life |

GAP FILL

From <https://breakingnewsenglish.com/2002/200217-extraterrestrial-life.html>

Is there life on other planets? Are we (1) _____? These are two of the biggest questions humans have been asking for (2) _____. Now, scientists have launched a new search to find out if there is... (3) _____... out there. The researchers are from the SETI Institute in California. SETI (4) _____ for Search for Extraterrestrial Intelligence. The (5) _____ of SETI is, "to explore, understand and explain the origin and nature of life in the universe and the (6) _____ of intelligence". SETI scientists will use new technologies to scan the heavens for signs of alien life. They will share their (7) _____ with the public. SETI hopes that by sharing data, "citizen scientists" could (8) _____ things missed by scientists.

centuries
evolution
stands
spot
alone
data
anybody
mission

SETI's astronomers will use 28 giant radio (9) _____ in their search for alien life. The telescopes are located all around the world. It will be the first time that a (10) _____ will search the entire sky for (11) _____ of alien life. The signs they are looking for are called "techno-signatures". These include things like alien (12) _____, large amounts of oxygen, non-natural structures, and light from (13) _____. Astronomer Dr Tony Beasley said: "Determining whether we are alone in the (14) _____ as technologically capable life is among the most compelling (15) _____ in science." Another scientist, Jill Tarter, said we are getting closer to finding out if alien life (16) _____. She said this science is now no longer fiction, but "almost mainstream".

signs
lasers
exists
telescopes
questions
chemicals
project
universe

LISTENING – Guess the answers. Listen to check.

From <https://breakingnewsenglish.com/2002/200217-extraterrestrial-life.html>

- 1) Is there life on other planets? _____?
 - a. Are we a loner
 - b. Are we a lonely
 - c. Are we all lone
 - d. Are we alone
- 2) scientists have launched a new search to find out if there is... _____
 - a. anybody... out there
 - b. any bodily... out here
 - c. any body... outer there
 - d. anybody... out here
- 3) explain the origin and nature of life in the universe and the _____
 - a. evolution of intelligent
 - b. evolution of intelligentsia
 - c. evolution of intelligence
 - d. evolution of inter license
- 4) They will share their data _____
 - a. with the public
 - b. with a public
 - c. with them public
 - d. with then public
- 5) sharing data, "citizen scientists" could spot things _____
 - a. mist by scientists
 - b. misled by scientists
 - c. missed by scientists
 - d. miss spy scientists
- 6) SETI's astronomers will use 28 giant radio telescopes in their search _____
 - a. for aliens live
 - b. four alien life
 - c. for alien life
 - d. for alien live
- 7) It will be the first time that a project will search _____
 - a. the entirely sky
 - b. the entire sky
 - c. the entirety sky
 - d. the entry sky
- 8) large amounts of oxygen, non-natural structures, and _____
 - a. light from lasers
 - b. lit from lasers
 - c. lite from lasers
 - d. lid from lasers
- 9) the universe as technologically capable life is among the most _____
 - a. compel in questions
 - b. con pairing questions
 - c. comparing questions
 - d. compelling questions
- 10) She said this science is now no longer fiction, but _____
 - a. all most mainstream
 - b. a most mainstream
 - c. upmost mainstream
 - d. almost mainstream

LISTENING – Listen and fill in the gaps

From <https://breakingnewsenglish.com/2002/200217-extraterrestrial-life.html>

Is there life on other planets? Are we alone? These (1) _____ the biggest questions humans have been asking for centuries. Now, scientists have (2) _____ search to find out if there is... anybody... out there. The researchers are from the SETI Institute in California. SETI (3) _____ for Extraterrestrial Intelligence. The mission of SETI is, "to explore, understand and explain the (4) _____ of life in the universe and the evolution of intelligence". SETI scientists will use new technologies to (5) _____ for signs of alien life. They will share their data with the public. SETI hopes that by sharing (6) _____ could spot things missed by scientists.

SETI's astronomers will use 28 (7) _____ in their search for alien life. The telescopes are located all around the world. It will be the first time that a project will search the (8) _____ signs of alien life. The signs they are looking for are called "techno-signatures". These include things like alien chemicals, large (9) _____, non-natural structures, and light from lasers. Astronomer Dr Tony Beasley said: "Determining whether we are (10) _____ universe as technologically capable life is among the most (11) _____ science." Another scientist, Jill Tarter, said we are getting closer to finding out if alien life exists. She said this science is now (12) _____, but "almost mainstream".

COMPREHENSION QUESTIONS

From <https://breakingnewsenglish.com/2002/200217-extraterrestrial-life.html>

1. What was the second question asked in the article?
2. For how long have we been asking questions about aliens?
3. Where is the SETI Institute?
4. What did the article say SETI scientists would scan for signs of alien life?
5. Who might spot things missed by scientists?
6. How many giant radio telescopes will astronomers use?
7. How many times before have scientists searched the whole sky?
8. What will scientists try to find light from?
9. Who is Dr Tony Beasley?
10. What did a scientist say this science is no longer an example of?

MULTIPLE CHOICE - QUIZ

From <https://breakingnewsenglish.com/2002/200217-extraterrestrial-life.html>

- 1) What was the second question asked in the article?
 - a) Why are aliens green?
 - b) Are we alone?
 - c) How big is space?
 - d) How did we get here?
- 2) For how long have we been asking questions about aliens?
 - a) years
 - b) decades
 - c) millennia
 - d) centuries
- 3) Where is the SETI Institute?
 - a) Siberia
 - b) Peru
 - c) California
 - d) Hawaii
- 4) What did the article say SETI scientists would scan for signs of alien life?
 - a) the heavens
 - b) hell
 - c) the Moon
 - d) the Milky Way
- 5) Who might spot things missed by scientists?
 - a) airline pilots
 - b) citizen scientists
 - c) aliens
 - d) journalists
- 6) How many giant radio telescopes will astronomers use?
 - a) 28
 - b) 27
 - c) 26
 - d) 25
- 7) How many times before have scientists searched the whole sky?
 - a) 7
 - b) 1
 - c) 0
 - d) 2
- 8) What will scientists try to find light from?
 - a) lasers
 - b) black holes
 - c) a galaxy far, far away
 - d) the Sun
- 9) Who is Dr Tony Beasley?
 - a) an astronaut
 - b) a science fiction writer
 - c) an alien
 - d) an astronomer
- 10) What did a scientist say this science is no longer an example of?
 - a) school subjects
 - b) the arts
 - c) science fiction
 - d) fantasy

ROLE PLAY

From <https://breakingnewsenglish.com/2002/200217-extraterrestrial-life.html>

Role A – Aliens

You think aliens are the best thing about space. Tell the others three reasons why. Tell them what is wrong with their things. Also, tell the others which are the least interesting of these (and why): black holes, zero gravity or colonizing Mars.

Role B – Black Holes

You think black holes are the best thing about space. Tell the others three reasons why. Tell them what is wrong with their things. Also, tell the others which are the least interesting of these (and why): aliens, zero gravity or colonizing Mars.

Role C – Zero Gravity

You think zero gravity is the best thing about space. Tell the others three reasons why. Tell them what is wrong with their things. Also, tell the others which are the least interesting of these (and why): black holes, aliens or colonizing Mars.

Role D – Colonizing Mars

You think colonizing Mars is the best thing about space. Tell the others three reasons why. Tell them what is wrong with their things. Also, tell the others which are the least interesting of these (and why): black holes, zero gravity or aliens.

AFTER READING / LISTENING

From <https://breakingnewsenglish.com/2002/200217-extraterrestrial-life.html>

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

alien	life
--------------	-------------

- 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">• other• anybody• stands• explain• scan• spot	<ul style="list-style-type: none">• 28• project• signs• light• among• now
--	--

EXTRATERRESTRIAL LIFE SURVEY

From <https://breakingnewsenglish.com/2002/200217-extraterrestrial-life.html>

Write five GOOD questions about extraterrestrial life 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.

EXTRATERRESTRIAL LIFE 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 'alien'?
3. Is there life on other planets?
4. Are we alone?
5. How would you feel if scientists found alien life?
6. What would alien life think about us?
7. What would you say to an alien if you met one?
8. What things on Earth would you show aliens?
9. What do you think the scientists will find?
10. How interested are you in astronomy?

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EXTRATERRESTRIAL LIFE 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 'life'?
13. What do you think about what you read?
14. What experiences do you have with telescopes?
15. What might the dangers of aliens be?
16. How worried are you about an alien attack?
17. Do you think there could ever be space wars?
18. What do you think of science fiction?
19. What big questions about life do you have?
20. What questions would you like to ask the astronomers?

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/2002/200217-extraterrestrial-life.html>

Is there life on other planets? Are we alone? These are two of the biggest questions humans have been asking for (1) _____. Now, scientists have launched a new search to find out if there is... anybody... out (2) _____. The researchers are from the SETI Institute in California. SETI stands for Search for Extraterrestrial Intelligence. The (3) _____ of SETI is, "to explore, understand and explain the (4) _____ and nature of life in the universe and the evolution of intelligence". SETI scientists will use new technologies to scan the (5) _____ for signs of alien life. They will share their data with the public. SETI hopes that by sharing data, "citizen scientists" could (6) _____ things missed by scientists.

SETI's astronomers will use 28 giant radio telescopes in their search for alien life. The telescopes are (7) _____ all around the world. It will be the first time that a project will search the (8) _____ sky for signs of alien life. The signs they are looking for are called "techno-signatures". These include things like alien chemicals, large amounts of oxygen, non-natural structures, and light from lasers. Astronomer Dr Tony Beasley said: "Determining (9) _____ we are alone in the universe as technologically capable life is among the most (10) _____ questions in science." Another scientist, Jill Tarter, said we are (11) _____ closer to finding out if alien life exists. She said this science is now no longer (12) _____, but "almost mainstream".

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

- | | | | | |
|-----|-----------------|-----------------|----------------|---------------|
| 1. | (a) centennials | (b) centurions | (c) cents | (d) centuries |
| 2. | (a) up | (b) sky | (c) space | (d) there |
| 3. | (a) mission | (b) mission | (c) misses | (d) missed |
| 4. | (a) orbit | (b) organ | (c) origin | (d) oval |
| 5. | (a) heavens | (b) hell | (c) airs | (d) oxygen |
| 6. | (a) spot | (b) dot | (c) speck | (d) speckle |
| 7. | (a) local | (b) locals | (c) locale | (d) located |
| 8. | (a) entire | (b) all | (c) every | (d) lots |
| 9. | (a) weather | (b) whether | (c) wetter | (d) whither |
| 10. | (a) comparing | (b) cooperating | (c) compelling | (d) compiling |
| 11. | (a) doing | (b) having | (c) getting | (d) finding |
| 12. | (a) friction | (b) fiction | (c) faction | (d) fraction |

SPELLING

From <https://breakingnewsenglish.com/2002/200217-extraterrestrial-life.html>

Paragraph 1

1. asking for retucensi
2. The isisonm of SETI
3. explain the rngoi and nature of life
4. the toveuloni of intelligence
5. scan the nveheas for signs of alien life
6. tinzcei scientists

Paragraph 2

7. SETI's metsraosnor
8. 28 giant radio sltsoepece
9. a project will search the enerit sky
10. large amounts of xyeong
11. we are alone in the sniervu
12. almost sminmraeat

PUT THE TEXT BACK TOGETHER

From <https://breakingnewsenglish.com/2002/200217-extraterrestrial-life.html>

Number these lines in the correct order.

- () asking for centuries. Now, scientists have launched a new search to find out if there is... anybody...
- () Intelligence. The mission of SETI is, "to explore, understand and explain the origin and nature of
- (**1**) Is there life on other planets? Are we alone? These are two of the biggest questions humans have been
- () SETI's astronomers will use 28 giant radio telescopes in their search for alien life. The telescopes are located
- () life in the universe and the evolution of intelligence". SETI scientists will use new technologies to
- () hopes that by sharing data, "citizen scientists" could spot things missed by scientists.
- () questions in science." Another scientist, Jill Tarter, said we are getting closer to finding out if alien life
- () whether we are alone in the universe as technologically capable life is among the most compelling
- () amounts of oxygen, non-natural structures, and light from lasers. Astronomer Dr Tony Beasley said: "Determining
- () all around the world. It will be the first time that a project will search the entire sky for signs of alien
- () out there. The researchers are from the SETI Institute in California. SETI stands for Search for Extraterrestrial
- () life. The signs they are looking for are called "techno-signatures". These include things like alien chemicals, large
- () scan the heavens for signs of alien life. They will share their data with the public. SETI
- () exists. She said this science is now no longer fiction, but "almost mainstream".

PUT THE WORDS IN THE RIGHT ORDER

From <https://breakingnewsenglish.com/2002/200217-extraterrestrial-life.html>

1. humans asked questions The for centuries . have biggest
2. launched search a out . have find to Scientists
3. SETI of The is explore . to mission
4. signs for the alien Scan of heavens life .
5. missed by scientists things spot could Citizen scientists .
6. 28 giant their radio telescopes in search . Use
7. telescopes are world . The the all located around
8. are universe . alone we whether Determining in the
9. to if life exists . alien Closer out finding
10. but almost Science longer no is mainstream . fiction,

CIRCLE THE CORRECT WORD (20 PAIRS)

From <https://breakingnewsenglish.com/2002/200217-extraterrestrial-life.html>

Is there life on other planets? Are we *loner* / *alone*? These are two of the biggest questions humans have been asking for *century* / *centuries*. Now, scientists have *launched* / *lunched* a new search to find out if there is... anybody... out *there* / *up*. The researchers are from the SETI Institute in California. SETI *sits* / *stands* for Search for Extraterrestrial Intelligence. The mission of SETI is, "to explore, understand and explain the *original* / *origin* and nature of life in the universe and the evolution of *intelligence* / *intelligent*". SETI scientists will use new technologies to *scan* / *scam* the heavens for signs of alien *live* / *life*. They will share their data with the public. SETI hopes that by sharing data, "citizen scientists" could *dot* / *spot* things missed by scientists.

SETI's astronomers will use 28 giant radio telescopes in *their* / *them* search for alien life. The telescopes are located all around the world. It will be the first time that a project will search the *entire* / *every* sky for signs of alien life. The signs they are *searched* / *looking* for are called "techno-signatures". These include things like alien chemicals, large *volume* / *amounts* of oxygen, non-natural structures, and light from *Tasers* / *lasers*. Astronomer Dr Tony Beasley said: "Determining whether we are alone *in* / *on* the universe as technologically capable life is among the most *comparing* / *compelling* questions in science." Another scientist, Jill Tarter, said we are *having* / *getting* closer to finding out if alien *life* / *live* exists. She said this science is now no longer fiction, but "almost *upstream* / *mainstream*".

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/2002/200217-extraterrestrial-life.html>

I s t h _ r _ l _ f _ _ n _ t h _ r _ p l _ n _ t s ? A r _ w _ _ l _ n _ ? T h _ s _ _ r _ t w _ _ f t h _ b _ g _ g _ s t q _ _ s t _ _ n s h _ m _ n s h _ v _ b _ _ n _ s k _ n g f _ r c _ n t _ r _ _ s . N _ w , s c _ _ n t _ s t s h _ v _ l _ _ n c h _ d _ _ n _ w s _ _ r c h t _ f _ n d _ _ t _ f t h _ r _ _ s . . . _ n y b _ d y . . . _ _ t t h _ r _ . T h _ r _ s _ _ r c h _ r s _ r _ f r _ m t h _ S E T I I n s t _ t _ t _ _ n C _ l _ f _ r _ n _ _ . S E T I s t _ n d s f _ r S _ _ r c h f _ r E x t r _ t _ r _ r _ s t r _ _ l I n t _ l _ l _ g _ n c _ . T h _ m _ s s _ _ n _ f S E T I _ s , " t _ _ x p l _ r _ , _ n d _ r s t _ n d _ n d _ x p l _ _ n t h _ _ r _ g _ n _ n d _ n _ t _ r _ _ f l _ f _ _ n t h _ _ n _ v _ r s _ _ n d t h _ _ v _ l _ t _ _ n _ f _ n t _ l _ l _ g _ n c _ " . S E T I s c _ _ n t _ s t s w _ l l _ s _ _ n _ w t _ c h n _ l _ g _ _ s t _ s c _ n t h _ h _ _ v _ n s f _ r s _ g n s _ f l _ _ n l _ f _ . T h _ y w _ l l s h _ r _ t h _ _ r d _ t _ w _ t h t h _ p _ b _ l _ c . S E T I h _ p _ s t h _ t b y s h _ r _ n g d _ t _ , " c _ t _ z _ n s c _ _ n t _ s t s " c _ _ l d s p _ t t h _ n g s m _ s s _ d b y s c _ _ n t _ s t s .

S E T I ' s _ s t r _ n _ m _ r s w _ l l _ s _ 2 8 g _ _ n t r _ d _ _ t _ l _ s c _ p _ s _ n t h _ _ r s _ _ r c h f _ r l _ _ n l _ f _ . T h _ t _ l _ s c _ p _ s _ r _ l _ c _ t _ d _ l l _ r _ _ n d t h _ w _ r _ l d . I t w _ l l b _ t h _ f _ r s t t _ m _ t h _ t _ p r _ j _ c t w _ l l s _ _ r c h t h _ _ n t _ r _ s k y f _ r s _ g n s _ f l _ _ n l _ f _ . T h _ s _ g n s t h _ y _ r _ l _ _ k _ n g f _ r _ r _ c _ l l _ d " t _ c h n _ - s _ g n _ t _ r _ s " . T h _ s _ _ n c l _ d _ t h _ n g s l _ k _ l _ _ n c h _ m _ c _ l s , l _ r g _ _ m _ _ n t s _ f _ x _ y _ g _ n , n _ n - n _ t _ r _ l s t r _ c t _ r _ s , _ n d l _ g h t f r _ m l _ s _ r s . A s t r _ n _ m _ r D r T _ n y B _ _ s l _ y s _ _ d : " D _ t _ r m _ n _ n g w h _ t h _ r w _ _ r _ _ l _ n _ _ n t h _ _ n _ v _ r s _ _ s t _ c h n _ l _ g _ c _ l l y c _ p _ b l _ l _ f _ _ s _ _ m _ n g t h _ m _ s t c _ m p _ l l _ n g q _ _ s t _ _ n s _ n s c _ _ n c _ . " A n _ t h _ r s c _ _ n t _ s t , J _ l l T _ r t _ r , s _ _ d w _ _ r _ g _ t _ t _ n g c l _ s _ r t _ f _ n d _ n g _ _ t _ f _ l _ _ n l _ f _ _ x _ s t s . S h _ s _ _ d t h _ s s c _ _ n c _ _ s n _ w n _ l _ n g _ r f _ c t _ _ n , b _ t " _ l _ m _ s t m _ _ n s t r _ _ m " .

PUNCTUATE THE TEXT AND ADD CAPITALS

From <https://breakingnewsenglish.com/2002/200217-extraterrestrial-life.html>

is there life on other planets are we alone these are two of the biggest questions humans have been asking for centuries now scientists have launched a new search to find out if there is anybody out there the researchers are from the seti institute in california seti stands for search for extraterrestrial intelligence the mission of seti is to explore understand and explain the origin and nature of life in the universe and the evolution of intelligence seti scientists will use new technologies to scan the heavens for signs of alien life they will share their data with the public seti hopes that by sharing data citizen scientists could spot things missed by scientists

seti's astronomers will use 28 giant radio telescopes in their search for alien life the telescopes are located all around the world it will be the first time that a project will search the entire sky for signs of alien life the signs they are looking for are called technosignatures these include things like alien chemicals large amounts of oxygen nonnatural structures and light from lasers astronomer dr tony beasley said determining whether we are alone in the universe as technologically capable life is among the most compelling questions in science another scientist jill tarter said we are getting closer to finding out if alien life exists she said this science is now no longer fiction but almost mainstream

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2002/200217-extraterrestrial-life.html>

Is there life on other planets? Are we alone? These are two of the biggest questions humans have been asking for centuries. Now, scientists have launched a new search to find out if there is... anybody... out there. These researchers are from the SETI Institute in California. SETI stands for Search for Extraterrestrial Intelligence. The mission of SETI is, "to explore, understand and explain the origin and nature of life in the universe and the evolution of intelligence". SETI scientists will use new technologies to scan the heavens for signs of alien life. They will share their data with the public. SETI hopes that by sharing data, "citizen scientists" could spot things missed by scientists. SETI's astronomers will use 28 giant radio telescopes in the search for alien life. The telescopes are located all around the world. It will be the first time that a project will search the entire sky for signs of alien life. The signs they are looking for are called "techno-signatures". These include things like alien chemicals, large amounts of oxygen, non-natural structures, and light from lasers. Astronomer Dr Tony Beasley said: "Determining whether we are alone in the universe as technologically capable life is among the most compelling questions in science." Another scientist, Jill Tarter, said we are getting close to finding out if alien life exists. She said this science is now no longer fiction, but "almost mainstream".

FREE WRITING

From <https://breakingnewsenglish.com/2002/200217-extraterrestrial-life.html>

Write about **extraterrestrial life** for 10 minutes. Comment on your partner’s paper.

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. EXTRATERRESTRIAL LIFE: Make a poster about extraterrestrial life. Show your work to your classmates in the next lesson. Did you all have similar things?

4. U.S. PRESIDENT: Write a magazine article about electing the US President to be the first Earth person to meet and greet any extraterrestrial life. 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 extraterrestrial life. Ask him/her three questions about it. Give him/her three of your opinions on alien life. Read your letter to your partner(s) in your next lesson. Your partner(s) will answer your questions.

ANSWERS

VOCABULARY (p.4)

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

TRUE / FALSE (p.5)

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

SYNONYM MATCH (p.5)

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

COMPREHENSION QUESTIONS (p.9)

1. Are we alone?
2. Centuries
3. California
4. The heavens
5. Citizen scientists
6. 28
7. None
8. Lasers
9. An astronomer
10. Fiction

WORDS IN THE RIGHT ORDER (p.20)

1. The biggest questions humans have asked for centuries.
2. Scientists have launched a search to find out.
3. The mission of SETI is to explore.
4. Scan the heavens for signs of alien life.
5. Citizen scientists could spot things missed by scientists.
6. Use 28 giant radio telescopes in their search.
7. The telescopes are located all around the world.
8. Determining whether we are alone in the universe.
9. Closer to finding out if alien life exists.
10. Science is no longer fiction, but almost mainstream.

MULTIPLE CHOICE - QUIZ (p.10)

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

ALL OTHER EXERCISES

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