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Level 6 – 17th July, 2021

Amazon "flips" to be source of CO2 emissions

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<https://breakingnewsenglish.com/2107/210717-amazon-rainforest.html>

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

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THE ARTICLE

From <https://breakingnewsenglish.com/2107/210717-amazon-rainforest.html>

Environmental scientists have revealed shocking news that parts of the Amazon rainforest are emitting more carbon dioxide than they are absorbing. The scientists said the forest is now producing over a billion tons of CO₂ a year. They say the Amazon used to be a carbon "sink". This is where CO₂ was sucked up and converted into oxygen. However, it has now become a source of carbon dioxide. The forest is at risk of losing its moniker of being the lungs of the world. Researchers are predicting the rainforest will create more CO₂ at an accelerating rate in the future. The biggest culprits for the Amazon's flipping from sink to source are logging, deforestation and a growing number of forest fires.

The research on the Amazon's CO₂ emissions has been published in the journal "Nature". Researchers analysed 600 profiles of CO₂ and carbon monoxide emissions produced by fires at various sites in Brazil's Amazon between 2010 and 2018. They found that the fires produced about 1.5 billion tons of CO₂ a year, while forest growth removed just 0.5 billion tons. The researchers said the difference of one billion tons left in the atmosphere is equivalent to the annual emissions of Japan, which is the world's fifth-largest polluter. Professor Simon Lewis, from University College London, said: "The south-east Amazon sink-to-source story is yet another stark warning that climate impacts are accelerating."

Sources: <https://www.theguardian.com/environment/2021/jul/14/amazon-rainforest-now-emitting-more-co2-than-it-absorbs>
<https://www.usatoday.com/story/news/world/2021/07/14/amazon-rainforest-areas-put-out-more-carbon-dioxide-than-they-absorb/7971749002/>
<https://www.commondreams.org/news/2021/07/14/biggest-story-world-right-now-humanity-has-flipped-amazon-carbon-sink-source>

WARM-UPS

1. THE AMAZON RAINFOREST: Students walk around the class and talk to other students about the Amazon rainforest. 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?

environmental / scientists / carbon dioxide / sink / lungs / rainforest / forest fires / research / profiles / emissions / atmosphere / annual / polluter / climate / impacts

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

3. NO LOGGING: Students A **strongly** believe logging should be banned for 10 years; Students B **strongly** believe otherwise. Change partners again and talk about your conversations.

4. REDUCING CO2 EMISSIONS: What are the pros and cons of these methods of reducing CO2 emissions? Complete this table with your partner(s). Change partners often and share what you wrote.

	Pros	Cons
Reduce air travel		
Walking, not driving		
Plant more trees		
Using more LED lights		
Eating less red meat		
Recycle everything		

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

6. CARBON FOOTPRINT: Rank these ways of reducing your carbon footprint with your partner. Put the best at the top. Change partners often and share your rankings.

- Becoming vegetarian
- Don't buy fast fashion
- Reusable shopping bags
- Use less water
- Cycle more
- Get politically active
- Switch lights off
- Compost food waste

VOCABULARY MATCHING

Paragraph 1

- | | |
|--------------|--|
| 1. revealed | a. A name. |
| 2. emitting | b. Changing to take the opposite side, opinion or situation. |
| 3. absorbing | c. Made previously unknown or secret information known to others. |
| 4. converted | d. Producing and sending out (something, especially gas, light or radiation). |
| 5. moniker | e. Changed from one thing into another. |
| 6. culprit | f. The cause of a problem or defect. |
| 7. flipping | g. Taking in or soaking up (energy or a liquid or other substance) by chemical or physical action. |

Paragraph 2

- | | |
|------------------|---|
| 8. journal | h. Unpleasantly or sharply clear. |
| 9. profile | i. A person or thing responsible for dirtying the environment with harmful or poisonous substances. |
| 10. emissions | j. A thing that is equal to or corresponds with another in value, amount, function, meaning, etc. |
| 11. equivalent | k. A newspaper or magazine that deals with a particular subject or professional activity. |
| 12. polluter | l. Increasing in amount, speed or extent. |
| 13. stark | m. A record of the characteristics of something. |
| 14. accelerating | n. Gasses or radiation that come off something. |

BEFORE READING / LISTENING

From <https://breakingnewsenglish.com/2107/210717-amazon-rainforest.html>

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

1. The article says scientists revealed earth-shattering news. **T / F**
2. Parts of the Amazon produce over a billion tons of CO₂. **T / F**
3. The Amazon has lost its nickname of being the "lungs of the world". **T / F**
4. The article says agriculture is the biggest culprit in flipping the Amazon. **T / F**
5. The research is published in a journal called "Nature". **T / F**
6. Forest fires produced around 1.5 billion tons of CO₂ a year. **T / F**
7. Japan is the fifth-largest polluter in the world. **T / F**
8. A professor said the sink-to-source story was a stark warning. **T / F**

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

- | | |
|-------------------------|---------------------|
| 1. shocking | a. assorted |
| 2. emitting | b. forecasting |
| 3. converted | c. offenders |
| 4. predicting | d. bleak |
| 5. culprits | e. appalling |
| 6. profiles | f. identical |
| 7. various | g. accounts |
| 8. equivalent | h. releasing |
| 9. stark | i. gaining momentum |
| 10. accelerating | j. changed |

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

- | | |
|-----------------------------|-----------------------|
| 1. scientists have revealed | a. a billion tons |
| 2. emitting more | b. emissions of Japan |
| 3. producing over | c. of forest fires |
| 4. the lungs | d. journal "Nature" |
| 5. a growing number | e. carbon dioxide |
| 6. published in the | f. warning |
| 7. forest | g. shocking news |
| 8. equivalent to the annual | h. largest polluter |
| 9. the world's fifth- | i. of the world |
| 10. yet another stark | j. growth |

GAP FILL

From <https://breakingnewsenglish.com/2107/210717-amazon-rainforest.html>

Environmental scientists have (1) _____ shocking news that parts of the Amazon rainforest are (2) _____ more carbon dioxide than they are absorbing. The scientists said the forest is now producing over a billion tons of CO2 a year. They say the Amazon used to be a carbon "sink". This is where CO2 was (3) _____ up and converted into oxygen. However, it has now become a (4) _____ of carbon dioxide. The forest is at risk of losing its moniker of being the lungs of the world. Researchers are (5) _____ the rainforest will create more CO2 at an accelerating (6) _____ in the future. The biggest culprits for the Amazon's flipping from sink to source are (7) _____, deforestation and a growing (8) _____ of forest fires.

sucked
predicting
emitting
logging
rate
revealed
number
source

The research on the Amazon's CO2 emissions has been (9) _____ in the journal "Nature". Researchers analysed 600 (10) _____ of CO2 and carbon (11) _____ emissions produced by fires at various sites in Brazil's Amazon between 2010 and 2018. They found that the fires produced about 1.5 billion tons of CO2 a year, while forest (12) _____ removed just 0.5 billion tons. The researchers said the difference of one billion tons left in the (13) _____ is equivalent to the (14) _____ emissions of Japan, which is the world's fifth-largest polluter. Professor Simon Lewis, from University College London, said: "The south-east Amazon sink-to-source story is yet another (15) _____ warning that climate impacts are (16) _____."

growth
accelerating
profiles
stark
atmosphere
published
annual
monoxide

LISTENING – Guess the answers. Listen to check.

From <https://breakingnewsenglish.com/2107/210717-amazon-rainforest.html>

- 1) shocking news that parts of the Amazon rainforest are _____
 - a. emission more carbon
 - b. committing more carbon
 - c. remitting more carbon
 - d. emitting more carbon
- 2) They say the Amazon used to be _____
 - a. a car bond sink
 - b. a carbon sin
 - c. a carb on think
 - d. a carbon sink
- 3) This is where CO₂ was sucked up and _____
 - a. convert it into oxygen
 - b. convert tin into oxygen
 - c. converted into oxygen
 - d. conversion into oxygen
- 4) The forest is at risk of losing its moniker of being the _____ world
 - a. lungs of the
 - b. rungs of the
 - c. lounge of the
 - d. runs of the
- 5) create more CO₂ at an accelerating rate in the future. The _____...
 - a. biggest culprits
 - b. biggest coal pits
 - c. biggest cull pits
 - d. biggest cull prize
- 6) The research on the Amazon's CO₂ emissions has been published in the _____
 - a. adjourn all "Nature"
 - b. journey "Nature"
 - c. journal "Nature"
 - d. germ all "Nature"
- 7) 600 profiles of CO₂ and carbon monoxide emissions produced by fires _____
 - a. at varied sates
 - b. at various sites
 - c. at vary as sites
 - d. at vary ass sites
- 8) fires produced about 1.5 billion tons of CO₂ a year, while forest growth _____ billion
 - a. remove just 0.5
 - b. remove adjust 0.5
 - c. removed just 0.5
 - d. removal just 0.5
- 9) equivalent to the annual emissions of Japan, which is the world's _____
 - a. fifth-largest pollutant
 - b. fifth-largest polluted
 - c. fifth-largest pollute a
 - d. fifth-largest polluter
- 10) The south-east Amazon sink-to-source story is yet _____
 - a. another stark warning
 - b. another strict warning
 - c. another spark warning
 - d. another snark warning

LISTENING – Listen and fill in the gaps

From <https://breakingnewsenglish.com/2107/210717-amazon-rainforest.html>

Environmental scientists have revealed (1) _____ parts of the Amazon rainforest are emitting more carbon dioxide than they are absorbing. The scientists said the forest is now producing over a billion tons of CO2 a year. They say the Amazon used to (2) _____ "sink". This is where CO2 was sucked up and converted into oxygen. However, it has now become (3) _____ carbon dioxide. The forest is at risk of losing its moniker of (4) _____ of the world. Researchers are predicting the rainforest will create more CO2 at an accelerating rate in the future. The (5) _____ the Amazon's flipping from sink to source are logging, deforestation and a growing number (6) _____.

The research on the Amazon's CO2 (7) _____ published in the journal "Nature". Researchers analysed 600 profiles of CO2 and carbon monoxide emissions produced by (8) _____ sites in Brazil's Amazon between 2010 and 2018. They found that the fires produced about 1.5 billion tons of CO2 a year, while (9) _____ just 0.5 billion tons. The researchers said the difference of one billion tons left in the atmosphere (10) _____ the annual emissions of Japan, which is the world's (11) _____. Professor Simon Lewis, from University College London, said: "The south-east Amazon sink-to-source story is yet (12) _____ that climate impacts are accelerating."

COMPREHENSION QUESTIONS

From <https://breakingnewsenglish.com/2107/210717-amazon-rainforest.html>

1. Who revealed some shocking news?
2. What did scientists say the Amazon used to be?
3. What did scientists say the Amazon has now become?
4. What moniker does the article say the Amazon has?
5. How many culprits does the article list as reasons for the Amazon's flip?
6. In which journal has the research been published?
7. What profiles did scientists look at besides CO2?
8. How much CO2 did forest growth remove?
9. What country is the world's fifth-largest polluter?
10. What kind of warning did the professor say this news is?

MULTIPLE CHOICE - QUIZ

From <https://breakingnewsenglish.com/2107/210717-amazon-rainforest.html>

- 1) Who revealed some shocking news?
 - a) Amazon tribes
 - b) environmental scientists
 - c) oxygen experts
 - d) CNN
- 2) What did scientists say the Amazon used to be?
 - a) tundra
 - b) a swamp
 - c) paradise
 - d) a carbon sink
- 3) What did scientists say the Amazon has now become?
 - a) a threat to our survival
 - b) a nightmare
 - c) a source of carbon
 - d) dangerous
- 4) What moniker does the article say the Amazon has?
 - a) the lungs of the world
 - b) the world's purifier
 - c) the green, green grass of home
 - d) a photosynthesis paradise
- 5) How many culprits does the article list as reasons for the Amazon's flip?
 - a) 5
 - b) 3
 - c) 1
 - d) 2
- 6) In which journal has the research been published?
 - a) Nature
 - b) Earth
 - c) Amazonia
 - d) Climate
- 7) What profiles did scientists look at besides CO2?
 - a) nitrogen
 - b) hydrogen peroxide
 - c) carbon monoxide
 - d) sodium nitrate
- 8) How much CO2 did forest growth remove?
 - a) 0.5 billion tons
 - b) 0.25 billion tons
 - c) 0.53 billion tons
 - d) 0.75 billion tons
- 9) What country is the world's fifth-largest polluter?
 - a) Ukraine
 - b) Brazil
 - c) Indonesia
 - d) Japan
- 10) What kind of warning did the professor say this news is?
 - a) local news
 - b) breaking news
 - c) a stark warning
 - d) regional news

ROLE PLAY

From <https://breakingnewsenglish.com/2107/210717-amazon-rainforest.html>

Role A – Becoming Vegetarian

You think becoming vegetarian is the best way to reduce your carbon footprint. Tell the others three reasons why. Tell them what is wrong with their ways. Also, tell the others which is the least useful of these (and why): not buying fast fashion, cycling more or switching lights off.

Role B – Not Buying Fast Fashion

You think not buying fast fashion is the best way to reduce your carbon footprint. Tell the others three reasons why. Tell them what is wrong with their ways. Also, tell the others which is the least useful of these (and why): becoming vegetarian, cycling more or switching lights off.

Role C – Cycling More

You think cycling more is the best way to reduce your carbon footprint. Tell the others three reasons why. Tell them what is wrong with their ways. Also, tell the others which is the least useful of these (and why): not buying fast fashion, becoming vegetarian or switching lights off.

Role D – Switching Lights Off

You think getting switching lights off is the best way to reduce your carbon footprint. Tell the others three reasons why. Tell them what is wrong with their ways. Also, tell the others which is the least useful of these (and why): not buying fast fashion, cycling more or becoming vegetarian.

AFTER READING / LISTENING

From <https://breakingnewsenglish.com/2107/210717-amazon-rainforest.html>

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

rain	forest
-------------	---------------

- 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">• shocking• used• risk• sucked• rate• growing	<ul style="list-style-type: none">• journal• 600• 0.5• annual• polluter• stark
--	---

THE AMAZON RAINFOREST SURVEY

From <https://breakingnewsenglish.com/2107/210717-amazon-rainforest.html>

Write five GOOD questions about the Amazon rainforest 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 AMAZON RAINFOREST 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 'Amazon'?
3. How important is the Amazon rainforest?
4. Why does the world just sit and watch the destruction of the Amazon?
5. How dangerous is CO2?
6. What are the dangers of the Amazon flipping?
7. What stresses do you think environmental scientists have?
8. How worried are you about the loss of rainforest?
9. What three adjectives best describe this story?
10. What advice do you have for loggers in the Amazon?

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THE AMAZON RAINFOREST 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 'rainforest'?
13. What do you think about what you read?
14. Should we all read the journal 'Nature'?
15. Is it possible to return forests to their original states?
16. What is your country doing to reduce CO2 emissions?
17. What are you doing to reduce CO2 emissions?
18. What will the environment be like in 100 years from now?
19. Do you think governments will heed this latest warning?
20. What questions would you like to ask the researchers?

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/2107/210717-amazon-rainforest.html>

Environmental scientists have (1) _____ shocking news that parts of the Amazon rainforest are emitting more carbon dioxide than they are (2) _____. The scientists said the forest is now producing over a billion tons of CO₂ a year. They say the Amazon used to be a carbon "sink". This is where CO₂ was (3) _____ up and converted into oxygen. However, it has now become a (4) _____ of carbon dioxide. The forest is at risk of losing its moniker of being the (5) _____ of the world. Researchers are predicting the rainforest will create more CO₂ at an accelerating rate in the future. The biggest (6) _____ for the Amazon's flipping from sink to source are logging, deforestation and a growing number of forest fires.

The research on the Amazon's CO₂ emissions (7) _____ been published in the journal "Nature". Researchers analysed 600 profiles of CO₂ and carbon monoxide emissions produced (8) _____ fires at various sites in Brazil's Amazon between 2010 and 2018. They found that the fires produced about 1.5 billion tons of CO₂ a year, while forest (9) _____ removed just 0.5 billion tons. The researchers said the difference of one billion tons left in the atmosphere is equivalent (10) _____ the annual emissions of Japan, which is the world's fifth-largest (11) _____. Professor Simon Lewis, from University College London, said: "The south-east Amazon sink-to-source story is yet another (12) _____ warning that climate impacts are accelerating."

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

- | | | | | |
|-----|---------------|----------------|---------------|--------------|
| 1. | (a) rebelled | (b) revelled | (c) revealed | (d) bevelled |
| 2. | (a) absorbing | (b) absorption | (c) absorbs | (d) absorbed |
| 3. | (a) sucked | (b) sacked | (c) socked | (d) stocked |
| 4. | (a) source | (b) sauce | (c) sausage | (d) scourge |
| 5. | (a) muscles | (b) abs | (c) kidneys | (d) lungs |
| 6. | (a) facts | (b) volumes | (c) subsidies | (d) culprits |
| 7. | (a) has | (b) having | (c) printing | (d) printed |
| 8. | (a) via | (b) on | (c) at | (d) by |
| 9. | (a) growth | (b) stubble | (c) canopy | (d) tundra |
| 10. | (a) at | (b) to | (c) on | (d) in |
| 11. | (a) pollution | (b) polluter | (c) pollutant | (d) pollute |
| 12. | (a) stark | (b) mark | (c) asterisk | (d) stick |

SPELLING

From <https://breakingnewsenglish.com/2107/210717-amazon-rainforest.html>

Paragraph 1

1. reedalve shocking news
2. mntigeti more carbon
3. they are bbngoisra
4. veeocdrnt into oxygen
5. at an atlcecrnaieg rate
6. oetestriafofn and a growing number of forest fires

Paragraph 2

7. carbon oxdomeni
8. fires at ouisvra sites
9. one billion tons left in the etosamhepr
10. iveqenulta to the annual...
11. the world's fifth-largest euloprtl
12. climate satcimp

PUT THE TEXT BACK TOGETHER

From <https://breakingnewsenglish.com/2107/210717-amazon-rainforest.html>

Number these lines in the correct order.

- () emitting more carbon dioxide than they are absorbing. The scientists said the forest is now producing
- () 2010 and 2018. They found that the fires produced about 1.5 billion tons of CO2 a year, while forest
- () flipping from sink to source are logging, deforestation and a growing number of forest fires.
- () polluter. Professor Simon Lewis, from University College London, said: "The south-east Amazon sink-to-
- () growth removed just 0.5 billion tons. The researchers said the difference of one billion tons left in the atmosphere is
- () create more CO2 at an accelerating rate in the future. The biggest culprits for the Amazon's
- () equivalent to the annual emissions of Japan, which is the world's fifth-largest
- () risk of losing its moniker of being the lungs of the world. Researchers are predicting the rainforest will
- () over a billion tons of CO2 a year. They say the Amazon used to be a carbon "sink". This is where CO2 was sucked
- () The research on the Amazon's CO2 emissions has been published in the journal "Nature". Researchers analysed
- () up and converted into oxygen. However, it has now become a source of carbon dioxide. The forest is at
- (**1**) Environmental scientists have revealed shocking news that parts of the Amazon rainforest are
- () source story is yet another stark warning that climate impacts are accelerating."
- () 600 profiles of CO2 and carbon monoxide emissions produced by fires at various sites in Brazil's Amazon between

PUT THE WORDS IN THE RIGHT ORDER

From <https://breakingnewsenglish.com/2107/210717-amazon-rainforest.html>

1. more of Parts carbon . Amazon emitting are the
2. producing billion The a forest is over tons .
3. oxygen . into and sucked was converted up CO2
4. now has CO2 . source It become of a
5. biggest Amazon's for the flipping . culprits The
6. produced emissions fires by CO2 sites . various at
7. 0.5 The billion just tons . forest removed growth
8. the left One in billion tons atmosphere .
9. annual equivalent the That's to of Japan . emissions
10. stark impacts that warning climate are accelerating . Another

CIRCLE THE CORRECT WORD (20 PAIRS)

From <https://breakingnewsenglish.com/2107/210717-amazon-rainforest.html>

Environmental scientists have *revelled* / *revealed* shocking news that parts of the Amazon rainforest are *emitting* / *emoting* more carbon dioxide than they are *abrasive* / *absorbing*. The scientists said the forest is now producing over a billion tons of CO2 a year. They say the Amazon used to be a carbon "sink". This is where CO2 was *socked* / *sucked* up and converted into oxygen. However, it has now become a *source* / *sauce* of carbon dioxide. The forest is at risk of losing its *evolution* / *moniker* of being the *lungs* / *kidneys* of the world. Researchers are predicting the rainforest will create more CO2 *to* / *at* an accelerating rate in the future. The biggest culprits for the Amazon's *flipping* / *flipped* from sink to source are logging, deforestation and a *growing* / *growth* number of forest fires.

The research on the Amazon's CO2 emissions has been published in the *journey* / *journal* "Nature". Researchers analysed 600 *profiles* / *profits* of CO2 and carbon monoxide emissions produced by fires at *variety* / *various* sites in Brazil's Amazon between 2010 *to* / *and* 2018. They found that the fires produced about 1.5 billion tons of CO2 a year, *while* / *which* forest growth removed just 0.5 billion tons. The researchers said the difference of one billion tons left *on* / *in* the atmosphere is *equal* / *equivalent* to the annual emissions of Japan, which is the world's fifth-largest *polluter* / *pollutant*. Professor Simon Lewis, from University College London, said: "The south-east Amazon sink-to-source *fable* / *story* is yet another stark warning that climate impacts are *decelerating* / *accelerating*."

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/2107/210717-amazon-rainforest.html>

_nv_r_nm_nt_l sc__nt_sts h_v_ r_v__l_d sh_ck_ng n_ws
th_t p_rts _f th_ _m_z_n r__nf_r_st _r_ _m_tt_ng
m_r_ c_rb_n d__x_d_ th_n th_y _r_ _bs_rb_ng. Th_
sc__nt_sts s__d th_ f_r_st _s n_w pr_d_c_ng _v_r _
b_ll__n t_ns _f C_2 _ y__r. Th_y s_y th_ _m_z_n
_s_d t_ b_ _ c_rb_n "s_nk". Th_s _s wh_r_ C_2 w_s
s_ck_d _p _nd c_nv_rt_d _nt_ _xyg_n. H_w_v_r, _t h_s
n_w b_c_m_ _ s__rc_ _f c_rb_n d__x_d_. Th_ f_r_st
_s _t r_sk _f l_s_ng _ts m_n_k_r _f b__ng th_ l_ngs
f th w_rld. R_s__rch_rs _r_ pr_d_ct_ng th_
r__nf_r_st w_ll cr__t_ m_r_ C_2 _t _n _cc_l_r_t_ng
r_t_ _n th_ f_t_r_. Th_ b_gg_st c_lprts f_r th_
_m_z_n's fl_pp_ng fr_m s_nk t_ s__rc_ _r_ l_gg_ng,
d_f_r_st_t__n _nd _ gr_w_ng n_mb_r _f f_r_st f_r_s.

Th_ r_s__rch _n th_ _m_z_n's C_2 _m_ss__ns h_s b__n
p_bl_sh_d _n th_ j__rn_l "N_t_r_". R_s__rch_rs
_n_ly_s_d 600 pr_f_l_s _f C_2 _nd c_rb_n m_n_x_d_
_m_ss__ns pr_d_c_d by f_r_s _t v_r__s s_t_s _n
Br_z_l's _m_z_n b_tw__n 2010 _nd 2018. Th_y f__nd
th_t th_ f_r_s pr_d_c_d _b__t 1.5 b_ll__n t_ns _f C_2
_ y__r, wh_l_ f_r_st gr_wth r_m_v_d j_st 0.5 b_ll__n
t_ns. Th_ r_s__rch_rs s__d th_ d_ff_r_nc_ _f _n_
b_ll__n t_ns l_ft _n th_ _tm_sph_r_ _s _q__v_l_nt t_
th_ _nn__l _m_ss__ns _f J_p_n, wh_ch _s th_ w_rld's
f_fth-l_rg_st p_ll_t_r. Pr_f_ss_r S_m_n L_w_s, fr_m
_n_v_rs_ty C_ll_g_ L_nd_n, s__d: "Th_ s__th__st
_m_z_n s_nk-t_-s__rc_ st_ry _s y_t _n_th_r st_rk
w_rn_ng th_t cl_m_t_ _mp_cts _r_ _cc_l_r_t_ng."

PUNCTUATE THE TEXT AND ADD CAPITALS

From <https://breakingnewsenglish.com/2107/210717-amazon-rainforest.html>

environmental scientists have revealed shocking news that parts of the amazon rainforest are emitting more carbon dioxide than they are absorbing the scientists said the forest is now producing over a billion tons of co2 a year they say the amazon used to be a carbon sink this is where co2 was sucked up and converted into oxygen however it has now become a source of carbon dioxide the forest is at risk of losing its moniker of being the lungs of the world researchers are predicting the rainforest will create more co2 at an accelerating rate in the future the biggest culprits for the amazons flipping from sink to source are logging deforestation and a growing number of forest fires

the research on the amazons co2 emissions has been published in the journal nature researchers analysed 600 profiles of co2 and carbon monoxide emissions produced by fires at various sites in brazils amazon between 2010 and 2018 they found that the fires produced about 15 billion tons of co2 a year while forest growth removed just 05 billion tons the researchers said the difference of one billion tons left in the atmosphere is equivalent to the annual emissions of japan which is the worlds fifthlargest polluter professor simon lewis from university college london said the southeast amazon sinktosource story is yet another stark warning that climate impacts are accelerating

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2107/210717-amazon-rainforest.html>

Environmental scientists have revealed shocking news that parts of the Amazon rainforest are emitting more carbon dioxide than they are absorbing. The scientists said the forest is now producing over a billion tons of CO₂ a year. They say the Amazon used to be a carbon "sink". This is where CO₂ was sucked up and converted into oxygen. However, it has now become a source of carbon dioxide. The forest is at risk of losing its moniker of being the lung of the world. Researchers are predicting the rainforest will create more CO₂ at an accelerating rate in the future. The biggest culprits for the Amazon's flipping from sink to source are logging, deforestation and a growing number of forest fires. The research on the Amazon's CO₂ emissions has been published in the journal "Nature". Researchers analysed 600 profiles of CO₂ and carbon monoxide emissions produced by fires at various sites in Brazil's Amazon between 2010 and 2018. They found that the fires produced about 1.5 billion tons of CO₂ a year, while forest growth removed just 0.5 billion tons. The researchers said the difference of one billion tons left in the atmosphere is equivalent to the annual emissions of Japan, which is the world's fifth-largest polluter. Professor Simon Lewis, from University College London, said: "The south-east Amazon sink-to-source story is yet another stark warning that climate impacts are accelerating."

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 AMAZON RAINFOREST: Make a poster about the Amazon rainforest. Show your work to your classmates in the next lesson. Did you all have similar things?

4. LOGGING: Write a magazine article about stopping logging around the world for ten years. 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 Amazon rainforest. Ask him/her three questions about them. Give him/her three of your ideas on how to get the Amazon back to normal. Read your letter to your partner(s) in your next lesson. Your partner(s) will answer your questions.

ANSWERS

VOCABULARY (p.4)

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

TRUE / FALSE (p.5)

- 1 F 2 T 3 F 4 F 5 T 6 T 7 T 8 T

SYNONYM MATCH (p.5)

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

COMPREHENSION QUESTIONS (p.9)

1. Environmental scientists
2. A carbon sink
3. A source of carbon
4. The lungs of the world
5. Three
6. Nature
7. Carbon monoxide
8. 0.5 billion tons
9. Japan
10. A stark warming

WORDS IN THE RIGHT ORDER (p.19)

1. Parts of the Amazon are emitting more carbon.
2. The forest is producing over a billion tons.
3. CO2 was sucked up and converted into oxygen.
4. It has now become a source of CO2.
5. The biggest culprits for the Amazon's flipping.
6. CO2 emissions produced by fires at various sites.
7. The forest growth removed just 0.5 billion tons.
8. One billion tons left in the atmosphere.
9. That's equivalent to the annual emissions of Japan.
10. Another stark warning that climate impacts are accelerating.

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 ;-)