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Level 5 – 26th August 2024

Antarctica is rising from the ocean

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<https://breakingnewsenglish.com/2408/240826-antarctica-post-glacial-uplift-5.html>

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Please try Levels 4 and 6. They are (a little) harder.

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THE READING

From <https://breakingnewsenglish.com/2408/240826-antarctica-post-glacial-uplift-5.html>

Antarctica is rising because of a geological phenomenon called post-glacial uplift. A huge volume of ice has melted from the continent's glaciers. This has made it lighter. This consequently means it is slowly rising. The melting glaciers are causing sea levels around the globe to rise. Geologist Terry Wilson wrote: "Our measurements show that the solid earth that forms the base of the Antarctic ice sheet is changing shape surprisingly quickly. The land uplift from reduced ice on the surface is happening in decades, rather than over thousands of years."

Researchers used 3D modelling to ascertain how rising sea levels could affect Earth. Levels could rise between 1.7 meters to 19.5 meters by 2500. Glaciologist Natalya Gomez wrote: "With nearly 700 million people living in coastal areas, and the potential cost of sea-level rise reaching trillions of dollars,...understanding the domino effect of Antarctic ice melt is crucial." She added: "This finding highlights the climate injustice toward nations whose emissions are low, while their exposure and vulnerability to sea-level rise is high."

Sources: <https://www.sciencealert.com/one-of-earths-continent-is-rising-up-and-the-effects-could-be-huge>
<https://bgr.com/science/antarctica-is-rising-out-of-the-ocean-and-it-could-change-everything/>
<https://www.wionews.com/science/antarctica-is-rising-from-ocean-and-losing-weight-heres-how-it-will-impact-earth-751995>

PHRASE MATCHING

From <https://breakingnewsenglish.com/2408/240826-antarctica-post-glacial-uplift-5.html>

PARAGRAPH ONE:

- | | |
|--------------------------------|-------------------|
| 1. because of a geological | a. show that |
| 2. post-glacial | b. ice has melted |
| 3. A huge volume of | c. the surface |
| 4. melting | d. quickly |
| 5. Our measurements | e. uplift |
| 6. the base of the Antarctic | f. glaciers |
| 7. changing shape surprisingly | g. ice sheet |
| 8. reduced ice on | h. phenomenon |

PARAGRAPH TWO:

- | | |
|-------------------------------------|----------------------|
| 1. Researchers used 3D | a. are low |
| 2. ascertain | b. to sea-level rise |
| 3. people living in | c. sea-level rise |
| 4. the potential cost of | d. how |
| 5. domino | e. coastal areas |
| 6. climate | f. modelling |
| 7. nations whose emissions | g. effect |
| 8. their exposure and vulnerability | h. injustice |

LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/2408/240826-antarctica-post-glacial-uplift-5.html>

Antarctica is rising because (1) _____ phenomenon called post-glacial uplift. A (2) _____ ice has melted from (3) _____. This has made it lighter. This consequently means it is slowly rising. The melting glaciers are causing sea levels around the (4) _____. Geologist Terry Wilson wrote: "Our measurements show that the solid earth that (5) _____ of the Antarctic ice sheet is changing shape surprisingly quickly. The land uplift from reduced ice on the surface is happening (6) _____ than over thousands of years."

Researchers used 3D modelling (7) _____ rising sea levels could affect Earth. Levels could rise between 1.7 meters to 19.5 meters by 2500. Glaciologist Natalya Gomez wrote: "With nearly 700 million people living (8) _____, and the potential cost of sea-level (9) _____ of dollars,...understanding the (10) _____ Antarctic ice melt is crucial." She added: "This finding highlights the climate injustice toward (11) _____ are low, while their (12) _____ to sea-level rise is high."

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2408/240826-antarctica-post-glacial-uplift-5.html>

Antarctica is rising because of a geological phenomenon called post-glacial uplift. A huge volume of ice has melted from the continent's glaciers. This has made it lighter. This consequently means it is slowly rising. The melting glaciers are causing sea levels around the globe to rise. Geologist Terry Wilson wrote: "Our measurements show that the solid earth that forms the base of the Antarctic ice sheet is changing shape surprisingly quickly. The land uplift from reduced ice on the surface is happening in decades, rather than over thousands of years." Researchers used 3D modelling to ascertain how rising sea levels could affect Earth. Levels could rise between 1.7 meters to 19.5 meters by 2500. Glaciologist Natalya Gomez wrote: "With nearly 700 million people living in coastal areas, and the potential cost of sea-level rise reaching trillionsof dollars, ... understanding the domino effect of Antarctic ice melt is crucial." She added: "This finding highlights the climate injustice toward nations whose emissions are low, while their exposure and vulnerability to sea-level rise is high."

ANTARCTICA SURVEY

From <https://breakingnewsenglish.com/2408/240826-antarctica-post-glacial-uplift-4.html>

Write five GOOD questions about Antarctica in the table. Do this in pairs. Each student must write the questions on his / her own paper. When you have finished, interview other students. Write down their answers.

| | STUDENT 1 _____ | STUDENT 2 _____ | STUDENT 3 _____ |
|------|--------------------|--------------------|--------------------|
| Q.1. | | | |
| Q.2. | | | |
| Q.3. | | | |
| Q.4. | | | |
| Q.5. | | | |

- Now return to your original partner and share and talk about what you found out. Change partners often.
- Make mini-presentations to other groups on your findings.

WRITE QUESTIONS & ASK YOUR PARTNER(S)

Student A: Do not show these to your speaking partner(s).

a) _____

b) _____

c) _____

d) _____

e) _____

f) _____

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WRITE QUESTIONS & ASK YOUR PARTNER(S)

Student B: Do not show these to your speaking partner(s).

a) _____

b) _____

c) _____

d) _____

e) _____

f) _____

WRITING

From <https://breakingnewsenglish.com/2408/240826-antarctica-post-glacial-uplift-5.html>

Write about **Antarctica** for 10 minutes. Read and talk about your partner's paper.
