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Level 4 – 19th December 2022

Satellite launched to map Earth's water

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<https://breakingnewsenglish.com/2212/221219-swot-water-satellite-4.html>

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Please try Levels 5 and 6. They are (a little) harder.

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THE READING

From <https://breakingnewsenglish.com/2212/221219-swot-water-satellite-4.html>

A new satellite has a mission to map the world's oceans, lakes and rivers. It is called SWOT - Surface Water and Ocean Topography. Data from the satellite will help scientists monitor how climate change is affecting water levels. A journalist said: "SWOT is needed more than ever, as climate change worsens droughts, flooding and coastal erosion." NASA said SWOT was of "pivotal" importance. It said it would change how we see Earth's water.

The car-sized satellite took 20 years to make and cost \$1.2 billion. High-precision radar will measure the water on 90 per cent of Earth's surface. It will survey 2.1 million kilometres of rivers. It will find areas of water loss that could threaten populations and coastlines. NASA said: "SWOT will give us a ten-fold improvement in the [accuracy] of our measurements of water height." Scientists will understand more about the role oceans play in climate change.

Sources: <https://www.pbs.org/newshour/science/u-s-french-satellite-launched-to-map-almost-all-of-the-worlds-oceans-lakes-rivers>
<https://www.aljazeera.com/news/2022/12/16/us-france-satellite-to-map-worlds-oceans-rivers-lakes>
<https://spacenews.com/falcon-9-launches-ocean-science-mission-for-nasa-and-cnes/>

PHRASE MATCHING

From <https://breakingnewsenglish.com/2212/221219-swot-water-satellite-4.html>

PARAGRAPH ONE:

- | | |
|---------------------------|-----------------------------|
| 1. map the world's | a. than ever |
| 2. help scientists | b. "pivotal" importance |
| 3. climate change is | c. monitor how |
| 4. SWOT is needed more | d. see Earth's water |
| 5. climate change worsens | e. oceans, lakes and rivers |
| 6. flooding and coastal | f. droughts |
| 7. NASA said SWOT was of | g. erosion |
| 8. it would change how we | h. affecting water levels |

PARAGRAPH TWO:

- | | |
|--------------------------------|---------------------------|
| 1. High- | a. of water height |
| 2. It will find areas of water | b. precision radar |
| 3. threaten populations | c. play in climate change |
| 4. the accuracy of | d. and coastlines |
| 5. a ten- | e. our measurements |
| 6. our measurements | f. more |
| 7. Scientists will understand | g. loss |
| 8. the role oceans | h. fold improvement |

LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/2212/221219-swot-water-satellite-4.html>

A new satellite (1) _____ to map the world's oceans, (2) _____ . It is called SWOT - Surface Water and Ocean Topography. Data from the satellite (3) _____ monitor how climate change (4) _____ levels. A journalist said: "SWOT is needed more than ever, as climate change (5) _____ and coastal erosion." NASA said SWOT was (6) _____. It said it would change how we see Earth's water.

The (7) _____ took 20 years to make and cost \$1.2 billion. (8) _____ will measure the water on 90 per cent of Earth's surface. It will survey 2.1 million kilometres of rivers. It will find areas of water loss (9) _____ populations and coastlines. NASA said: "SWOT will give (10) _____ improvement in (11) _____ our measurements of water height." Scientists will understand more about the (12) _____ in climate change.

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2212/221219-swot-water-satellite-4.html>

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WATER SURVEY

From <https://breakingnewsenglish.com/2212/221219-swot-water-satellite-4.html>

Write five GOOD questions about water 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) _____

