



Mysterious Greek Island Earthquake Swarm Baffles Scientists

Description

Dealing with the heightened anxiety and stress of her students on the Greek island of Amorgos, Dionysia Kobaiou has been facing a daunting challenge for the past three weeks. The island has been experiencing a series of earthquakes, prompting Greek authorities to close down all schools on Amorgos, as well as its neighboring island of Santorini and other nearby islands, until at least February 21. Kobaiou has been providing remote teaching support to her students during this time.

Some of her students have expressed concerns about how to react during tremors, with one even asking whether they should hide under a bed. Drawing parallels to the challenges faced during the Covid-19 pandemic, Kobaiou highlighted the uncertainty and unpredictability of the current situation, where the threat of earthquakes looms at any moment.

Seismic Activity

Between January 26 and February 14, over 19,200 earthquakes were recorded in the Cyclades archipelago, including Amorgos, according to the University of Athens seismology laboratory. Although the seismic swarm has not resulted in casualties or significant damage, the ongoing tremors have left scientists puzzled.

The residents of Amorgos, a rocky island with a population of 1,900, have remained on the island despite the ongoing seismic activity. As the tremors have gradually decreased in intensity and frequency, there is a sense of relief among the locals.

Impact on Residents

The continuous earthquakes have taken a toll on the residents, with many expressing exhaustion and fatigue from the prolonged period of uncertainty and fear. Despite the efforts to dispatch rescue reinforcements and monitor the situation closely, the psychological impact on the community remains significant.

As the island grapples with the aftermath of the seismic swarm, concerns about the upcoming tourist season linger, with residents hoping to overcome the challenges and welcome visitors back to Amorgos.

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Vocabulary List:

1. **Tremors** /'trem.ərz/ (noun): Small or minor earthquakes.
2. **Seismic** /'saɪz.mɪk/ (adjective): Relating to or denoting earthquakes or other vibrations of the earth and its crust.



3. **Uncertainty** /ʌn'sɜːr.tən.ti/ (noun): The state of being unsure or having doubt.
4. **Exhaustion** /ɪg'zɔːs.tʃən/ (noun): A state of extreme physical or mental fatigue.
5. **Monitoring** /'mɒn.ɪ.tər.ɪŋ/ (verb): Observing and checking the progress or quality of something over a period of time.
6. **Community** /kə'mjuː.nə.ti/ (noun): A group of people living in the same place or having a particular characteristic in common.

Comprehension Questions

Multiple Choice

1. Where is Dionysia Kobaiou facing a daunting challenge with her students?
Option: Greek island of Santorini
Option: Cyclades archipelago
Option: Greek island of Amorgos
Option: Italian island of Sicily
2. How many earthquakes were recorded in the Cyclades archipelago between January 26 and February 14?
Option: 10,000
Option: 19,200
Option: 30,500
Option: 5,800
3. What is the population of Amorgos mentioned in the text?
Option: 1,100
Option: 1,500
Option: 1,700
Option: 1,900
4. What impact have the continuous earthquakes had on residents?
Option: Joy and excitement
Option: Exhaustion and fatigue
Option: Heightened alertness
Option: Increased productivity
5. What efforts have been made to help the residents during the seismic swarm?
Option: Closing down schools



- Option: Dispatching rescue reinforcements
- Option: Ignoring the situation
- Option: Leaving the island

6. What are the residents hoping for regarding the upcoming tourist season?

- Option: Closing down the island
- Option: Increasing the seismic activity
- Option: Overcoming challenges and welcoming visitors
- Option: Permanently fleeing the island

True-False

- 7. Dionysia Kobaïou is providing remote teaching support to her students on the island.
- 8. The seismic swarm in the Cyclades archipelago has resulted in significant casualties.
- 9. The residents of Amorgos have evacuated the island due to the ongoing seismic activity.
- 10. The psychological impact on the community remains insignificant.
- 11. Residents are not concerned about the upcoming tourist season.
- 12. The seismic activity has ceased completely in Amorgos.

Gap-Fill

- 13. The island of Amorgos has a population of _____.
- 14. The seismic swarm in the Cyclades archipelago lasted from January 26 to _____.
- 15. Residents have expressed exhaustion and fatigue from the prolonged period of uncertainty and _____.
- 16. The ongoing tremors have left scientists _____.



17. Despite the efforts to monitor the situation closely, the psychological impact on the community remains _____.

18. Concerns about the upcoming tourist season linger, with residents hoping to overcome the challenges and welcome visitors back to _____.

Answer

Multiple Choice: 1. Greek island of Amorgos 2. 19,200 3. 1,900 4. Exhaustion and fatigue 5. Dispatching rescue reinforcements 6. Overcoming challenges and welcoming visitors

True-False: 7. True 8. False 9. False 10. False 11. False 12. False

Gap-Fill: 13. 1,900 14. February 14 15. fear 16. puzzled 17. significant 18. Amorgos

Vocabulary quizzes

Multiple Choice (Select the Correct answer for each question.)

1. What is a significant advancement called?

Option: A

Option: Breakthrough

Option: Obstacle

Option: D

2. What is the process of merging two or more things into a single entity?

Option: A

Option: B

Option: C

Option: Fusion

3. What term refers to the state of being subject to death?

Option: A

Option: Mortality

Option: B

Option: D

4. What are slight shaking movements of the earth's surface?

Option: Tremors



- Option: A
- Option: B
- Option: D

5. What term is used for changing something radically or fundamentally?

- Option: Revolutionizing
- Option: A
- Option: B
- Option: D

6. What is a type of polysaccharide found in cell walls of bacteria fungi yeasts algae lichens and plants such as oats and barley?

- Option: Beta-glucan
- Option: B
- Option: C
- Option: D

7. What are things that stand in the way of progress or success?

- Option: A
- Option: B
- Option: Obstacles
- Option: D

8. What are things that deviate from what is standard normal or expected?

- Option: A
- Option: Anomalies
- Option: C
- Option: D

9. What is a viral infection that affects the respiratory system?

- Option: Influenza
- Option: B
- Option: C
- Option: D

10. What is the action or process of producing a list or book by assembling information from other sources?

- Option: A
- Option: Compilation
- Option: C
- Option: D



Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11. The solution to the problem remained _____ despite numerous attempts.
12. Continuous _____ of the patient's vital signs is crucial in the ICU.
13. The scientist's _____ research in the field of robotics earned her international recognition.
14. The _____ surrounding the outcome of the negotiations created anxiety among the team members.
15. The marathon runner experienced extreme _____ after completing the race.
16. The long hours of work led to physical and mental _____ among the employees.
17. The sudden disappearance of the lake was a natural _____ that baffled scientists.
18. The new policy had far-reaching _____ for small businesses in the region.
19. The stock market experienced significant _____ throughout the trading day.
20. The local _____ came together to support the victims of the natural disaster.

Matching Sentences (Match each definition to the correct word from the vocabulary list.)

21. Conserving natural resources and reducing waste are crucial for the environment for future generations.
22. The study aims to investigate the underlying the biological process of cell division.
23. The region was hit by a event that caused widespread damage to buildings and infrastructure.
24. The success of the experiment relies on the of the measurements taken by the instruments.
25. The patient claimed to have visions while under the influence of a hallucinogenic drug.
26. The captain skillfully the ship through the treacherous waters of the storm.



27. Continuous of the construction site is essential to ensure safety regulations are followed.
28. The drone is programmed to fly without human intervention once the flight path is set.
29. The of data from various sources helped researchers identify patterns in the market trends.
30. The strenuous physical activity led to extreme and fatigue.

Answer

Multiple Choice: 1. Breakthrough 2. Fusion 3. Mortality 4. Tremors 5. Revolutionizing 6. Beta-glucan
7. Obstacles 8. Anomalies 9. Influenza 10. Compilation

Gap-Fill: 11. elusive 12. monitoring 13. groundbreaking 14. uncertainty 15. fatigue 16. exhaustion
17. phenomenon 18. implications 19. fluctuations 20. community

Matching sentence: 1. sustaining 2. mechanisms 3. seismic 4. accuracy 5. hallucinated 6. navigating
7. monitoring 8. autonomously 9. compilation 10. exhaustion

CATEGORY

1. Health - LEVEL5

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