



Scientists Discover 28 Possible New Species in Argentina's Seafloor

Description

A deep-sea mission took place off the coast of Argentina. Scientists discovered a rich marine ecosystem. They found many possible new species and rare marine animals. The mission focused on cold seeps, which are areas in the ocean where chemicals come out of the sea floor.

The Schmidt Ocean Institute led the mission with the research vessel Falkor (too). This ship has made important discoveries before, like new types of squid and octopus. The scientists wanted to study how life grows around cold seeps.

They found one active seep but saw a lot of marine life everywhere. This was surprising. It showed that different ecosystems exist beyond just the seep areas.

The team found 28 possible new species. These included sea snails, sea urchins, and anemones. They discovered a large coral reef, which is the biggest known of its kind. This reef provides homes for many species.

The mission also recorded images of a rare jellyfish and a whale fall, which is when a whale's body supports life after it dies. Scientists continue to learn about the deep sea through their hard work.

Vocabulary List:

1. **seeps** //si:ps// (noun): places in the sea where chemicals come out
2. **ecosystem** //i:kos,sɪstəm// (noun): a group of living things and their environment
3. **species** //spi:fɪz// (noun): a group of animals or plants of same kind
4. **vessel** //vɛsəl// (noun): a large ship used for travel or research
5. **reef** //ri:f// (noun): a group of rock or coral under the sea
6. **anemones** //ə'nɛmənz// (noun): sea animals that look like flowers with tentacles

Comprehension Questions

Multiple Choice

1. What was the deep-sea mission off the coast of Argentina focused on?



- Option: Coral reefs
- Option: Cold seeps
- Option: Ocean currents
- Option: Sea turtles

2. Which research vessel led the deep-sea mission?

- Option: Nautilus
- Option: Endeavor
- Option: Falkor
- Option: Discovery

3. How many possible new species did the team find during the mission?

- Option: 15
- Option: 28
- Option: 10
- Option: 32

4. What type of ecosystem did the researchers find near the cold seeps?

- Option: Desert ecosystems
- Option: Tropical forests
- Option: Different ecosystems
- Option: Polar regions

5. Which of the following marine animals was recorded during the mission?

- Option: Dolphins
- Option: Octopus
- Option: Penguins
- Option: Sharks

6. What unique feature was recorded related to whales?

- Option: Whale watching
- Option: Whale songs
- Option: Whale fall
- Option: Whale migration

True-False

7. The mission discovered a large coral reef that is the smallest known of its kind.



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8. Cold seeps are areas in the ocean where chemicals come out of the sea floor.
 9. The Schmidt Ocean Institute has not made important discoveries before this mission.
 10. The whale fall phenomenon occurs when a whale's body supports life after it dies.
 11. The mission focused solely on studying sea urchins.
 12. Scientists are continuously learning about the deep sea through their efforts.

Gap-Fill

13. The deep-sea mission was led by the Schmidt Ocean Institute with the research vessel

_____.

14. The mission focused on _____ seeps, which are areas where chemicals come out of the sea floor.

15. The team found many possible new species, including sea snails, sea urchins, and

_____.

16. Scientists discovered a large coral reef, which is the biggest known of its kind _____ in the ocean.

17. The mission also recorded images of a rare jellyfish and a _____ fall.

18. The mission revealed that different ecosystems exist beyond just the seep _____ areas.

Answer

Multiple Choice: 1. Cold seeps 2. Falkor 3. 28 4. Different ecosystems 5. Octopus 6. Whale fall

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

Gap-Fill: 13. Falkor 14. cold 15. anemones 16. found 17. whale 18. specific



Vocabulary quizzes

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

1. What term is used to describe a ship used for travel or work at sea?
Option: Vessel
Option: Tram
Option: Carriage
Option: Plane
2. Which term refers to a community of living organisms and their physical environment interacting as a system?
Option: Biome
Option: Ecosystem
Option: Habitat
Option: Niche
3. What do we call a group of organisms that can interbreed and produce fertile offspring?
Option: Species
Option: Genus
Option: Family
Option: Order
4. What is typically formed from coral and serves as a habitat for many marine species?
Option: Delta
Option: Reef
Option: Estuary
Option: Lake
5. What type of marine animal is often found attached to rocks and can host clownfish?
Option: Sea Urchins
Option: Jellyfish
Option: Anemones
Option: Sponges
6. What term describes the process of increasing in size or scope?
Option: Reduction
Option: Contraction
Option: Expansion
Option: Decline



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7. Which type of view or observation is achieved from the air?
- Option: Ground
 - Option: Aerial
 - Option: Underwater
 - Option: Surface
8. What do we call individuals who conduct investigations to discover or revise facts?
- Option: Students
 - Option: Researchers
 - Option: Educators
 - Option: Administrators
9. What is a large mass of ice that moves slowly over land called?
- Option: Iceberg
 - Option: Glacier
 - Option: Snowfield
 - Option: Fjord
10. What term describes a state of being open to harm or damage?
- Option: Resilient
 - Option: Vulnerable
 - Option: Protected
 - Option: Robust

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

11. The _____ ecosystem is crucial for supporting various marine species.
12. Many marine conservation initiatives aim to ensure that we can _____ the protection of vulnerable species.
13. The _____ of the research vessel was necessary to prepare for the upcoming expedition.
14. The organization's press release announced the _____ of a new marine exploration project.



15. The team set up _____ accommodations while conducting research near the glacier.
16. They are _____ outdated equipment to enhance the research process.
17. The night sky was filled with _____ sprites dancing across the atmosphere.
18. Many _____ species visit the coastal area during migration seasons.
19. The Earth's _____ plays a crucial role in regulating temperature and supporting life.
20. High levels of ultraviolet _____ can affect both marine and terrestrial life.

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

21. The underwater seep is critical for nutrient cycling in the marine ecosystem.
22. The press is essential for disseminating information about scientific discoveries.
23. The new vessel has advanced features that enhance its operational capabilities.
24. The research team had to wait in a queue before boarding the vessel for the expedition.
25. They planned an expedition to study the effects of climate change on coastal ecosystems.
26. Construction of the new research facility is underway near the coastal area.
27. The glacier melts are impacting sea levels and coastal environments.
28. Many species in the ocean are classified as vulnerable due to climate change.
29. The environment is heavily influenced by both natural and human activities.
30. The luminous sprites observed during the expedition were stunning and ethereal.

Answer

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Multiple Choice: 1. Vessel 2. Ecosystem 3. Species 4. Reef 5. Anemones 6. Expansion 7. Aerial 8. Researchers 9. Glacier 10. Vulnerable

Gap-Fill: 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.

Matching sentence: 1. seep 2. press 3. features 4. queue 5. expedition 6. construction 7. glacier 8. vulnerable 9. environment 10. sprites

CATEGORY

1. Sci/Tech - LEVEL1



POST TAG

1. Argentina
2. barren seafloor
3. ESL learning
4. esl news
5. Level 1
6. new species
7. remote region

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