

Oceania's Environmental Hotspots: Coral Reefs, Marine Heatwaves, and Deforestation

Environment · Answer Key · 10 Questions

1. Which Pacific Island nation is actively working on expanding its solar power capacity to address power shortages and meet renewable energy targets?

- A) Fiji
- B) Samoa**
- C) Tonga
- D) Vanuatu

2. The Great Barrier Reef has experienced multiple mass bleaching events in recent years. Which of the following years saw one of the most widespread and damaging bleaching events?

- A) 2019
- B) 2020
- C) 2024**
- D) 2022

3. Papua New Guinea's rainforests are under threat from a contentious permit scheme. What is the name of this scheme that environmental groups warn could lead to large-scale forest clearing?

- A) Forest Management Licenses
- B) Timber Harvesting Authorities
- C) Forest Clearing Authorities (FCA)**
- D) Agroforestry Development Permits

4. New Zealand has been experiencing significant marine heatwaves. In which year did New Zealand experience a record number of marine heatwave days, including the two longest and most intense on record?

- A) 2018
- B) 2020
- C) 2021
- D) 2022**

5. Which Pacific Island nation is investing in climate adaptation projects focused on improving flood resilience through climate-resilient infrastructure and ecosystem restoration, particularly in the Rewa Delta?

- A) Tuvalu
- B) Vanuatu
- C) Federated States of Micronesia
- D) Fiji**

6. The Hunga Tonga-Hunga Ha'apai volcano eruption in January 2022 had significant environmental impacts. Which of the following was an unexpected finding related to its emissions?

- A) It released a large amount of sulfur dioxide, causing acid rain.
- B) It triggered a chemical reaction that disposed of some of its own methane emissions.**
- C) It led to a temporary cooling effect on the atmosphere.
- D) It caused a significant increase in stratospheric ozone.

7. Fiji is actively engaged in coral reef restoration efforts. A project involving VOMO Island and Counting Coral has achieved a high survival rate for propagated coral fragments. What percentage survival rate has been reported for these fragments?

- A) 75%
- B) 85%
- C) 90%
- D) 95%**

8. The Solomon Islands is facing significant economic losses due to climate change. Approximately how much is the country losing annually due to climate-related loss and damage, according to recent estimates?

- A) US\$10 million
- B) US\$30 million
- C) US\$79 million**
- D) US\$100 million

9. Vanuatu has been recognized for its climate action. What is notable about Vanuatu's carbon footprint, according to the Climate and Clean Air Coalition?

- A) It is one of the highest per capita in the world.
- B) It is carbon-negative, exceeding its domestic emissions.**
- C) It has no significant greenhouse gas emissions.
- D) It relies entirely on fossil fuels for energy.

10. In 2022, New Zealand experienced exceptionally long and intense marine heatwaves. Which region of New Zealand spent the highest percentage of the year in marine heatwaves?

- A) Tasman Sea region
- B) Western North Island region**
- C) Southern Alps region
- D) Fiordland region