

Climate Change in Oceania

Environmental Science · Answer Key · 8 Questions

1. Which major Australian natural feature is highly vulnerable to bleaching due to rising ocean temperatures?

- A) The Great Barrier Reef**
- B) The Nullarbor Plain
- C) The Blue Mountains
- D) Uluru

2. What is the primary cause of rising sea levels in the Pacific Islands?

- A) Increased volcanic activity
- B) Melting of glaciers and thermal expansion of oceans**
- C) Tectonic plate movement
- D) Changing tidal cycles

3. Which Australian government agency is responsible for monitoring climate and weather patterns?

- A) Bureau of Meteorology (BOM)**
- B) Department of Education
- C) Reserve Bank of Australia
- D) Australian Sports Commission

4. In which region are low-lying atoll nations like Tuvalu and Kiribati located?

- A) The Arctic
- B) The Pacific Ocean**
- C) The Mediterranean Sea
- D) The Atlantic Ocean

5. What greenhouse gas is most commonly associated with industrial emissions and climate change?

- A) Oxygen
- B) Carbon dioxide**
- C) Nitrogen
- D) Helium

6. Which phenomenon often brings warmer, drier conditions to parts of Australia, exacerbating bushfire risk?

- A) El Niño**
- B) The Antarctic Circumpolar Current
- C) The Gulf Stream
- D) Monsoonal rain

7. Which country in Oceania is frequently cited as being at risk of becoming uninhabitable due to sea-level rise?

- A) Tuvalu**
- B) New Zealand
- C) Fiji
- D) Papua New Guinea

8. What is the term for the long-term shift in global or regional climate patterns?

- A) Weather
- B) Climate change**
- C) Seasonal variation
- D) Tidal surge