

Great Barrier Reef Quiz Answer Key PDF

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Describe the impact of coral bleaching on the Great Barrier Reef ecosystem.

Coral bleaching leads to the loss of symbiotic algae, causing corals to expel their color and nutrients, which ultimately results in decreased coral health, increased mortality rates, and a decline in the overall marine biodiversity of the Great Barrier Reef.

What measures can be taken to mitigate the effects of climate change on the Great Barrier Reef?

Key measures include reducing carbon emissions, enhancing water quality through better land management, and establishing marine protected areas to promote reef resilience.

How long is the Great Barrier Reef approximately?

- A. 500 kilometers
- B. 1,200 kilometers
- C. 2,300 kilometers ✓**
- D. 3,500 kilometers

How does pollution from agricultural runoff affect the health of the Great Barrier Reef?

Agricultural runoff negatively impacts the Great Barrier Reef by causing algal blooms that harm coral health and biodiversity.

Which of the following is a major threat to the Great Barrier Reef?

- A. Deforestation
- B. Urbanization
- C. Coral bleaching ✓**
- D. Desertification

What type of ecosystem is the Great Barrier Reef primarily composed of?

- A. Mangroves
- B. Coral reefs ✓**
- C. Seagrass beds
- D. Salt marshes

Which marine animal is considered vulnerable and is found in the Great Barrier Reef?

- A. Blue whale
- B. Dugong ✓**
- C. Emperor penguin
- D. Sea otter

What conservation efforts are in place to protect the Great Barrier Reef? (Select all that apply)

- A. Establishment of marine parks ✓**
- B. Banning all fishing activities
- C. International research collaborations ✓**
- D. Development of artificial reefs

Which of the following are considered threats from climate change to the Great Barrier Reef? (Select all that apply)

- A. Ocean acidification ✓**
- B. Rising sea levels ✓**
- C. Increased storm frequency ✓**
- D. Soil erosion

Which factors contribute to the threats faced by the Great Barrier Reef? (Select all that apply)

- A. Overfishing ✓**
- B. Agricultural runoff ✓**
- C. Industrial pollution ✓**
- D. Increased tourism

Why is international collaboration important in the conservation efforts of the Great Barrier Reef?

International collaboration is important in the conservation efforts of the Great Barrier Reef because it enables countries to work together to address shared challenges, pool resources, and implement comprehensive strategies that protect this vital ecosystem.

Which activities are encouraged to promote sustainable tourism in the Great Barrier Reef? (Select all that apply)

- A. Eco-friendly diving practices ✓**
- B. Mass construction of hotels
- C. Educational tours ✓**
- D. Use of non-biodegradable materials

Explain why the Great Barrier Reef is considered one of the seven natural wonders of the world.

The Great Barrier Reef is considered one of the seven natural wonders of the world due to its immense size, rich biodiversity, and the critical role it plays in marine ecosystems.

When was the Great Barrier Reef designated as a UNESCO World Heritage Site?

- A. 1975
- B. 1981 ✓**
- C. 1990
- D. 2000

Which of the following species are found in the Great Barrier Reef? (Select all that apply)

- A. Clownfish ✓**
- B. Great white shark
- C. Sea turtle ✓**
- D. Polar bear

What is the primary cause of coral bleaching in the Great Barrier Reef?

- A. Overfishing
- B. Ocean acidification

C. Rising sea temperatures ✓

D. Coastal development

What country is the Great Barrier Reef located off the coast of?

A. Brazil

B. Australia ✓

C. India

D. South Africa

What are some of the ecosystem services provided by the Great Barrier Reef? (Select all that apply)

A. Coastal protection ✓

B. Freshwater supply

C. Habitat formation ✓

D. Carbon sequestration ✓

Discuss the role of the Great Barrier Reef in supporting marine biodiversity.

The Great Barrier Reef supports marine biodiversity by providing essential habitats for over 1,500 species of fish, 400 species of coral, and various marine mammals, birds, and reptiles, making it one of the most diverse ecosystems on the planet.

What is the main purpose of the Great Barrier Reef Marine Park?

A. To promote tourism

B. To allow fishing

C. To protect the reef ecosystem ✓

D. To build resorts