

Global Marine Biology: Geographical and World Knowledge Challenge

Marine Biology · Answer Key · 12 Questions

1. Which of the following oceanic trenches is the deepest known point in Earth's oceans, hosting unique hadal zone fauna?

- A) Tonga Trench
- B) Kermadec Trench
- C) Mariana Trench**
- D) Philippine Trench

2. The Great Barrier Reef, the world's largest coral reef system, is primarily located off the coast of which Australian state?

- A) Western Australia
- B) New South Wales
- C) Queensland**
- D) Victoria

3. The exclusive economic zone (EEZ) of which island nation in the South Pacific is characterized by exceptionally high marine biodiversity, including numerous endemic species?

- A) Fiji
- B) Palau
- C) Kiribati**
- D) Samoa

4. The 'Dead Zone' in the Gulf of Mexico, a region of hypoxia, is largely a consequence of nutrient runoff primarily from which river system?

- A) Colorado River
- B) Rio Grande
- C) Mississippi River**
- D) Columbia River

5. Which Arctic marginal sea is known for its significant ice cover and hosts populations of bowhead whales and beluga whales, adapted to extreme cold?

- A) Barents Sea
- B) Laptev Sea
- C) Chukchi Sea**
- D) Kara Sea

6. The Galapagos Islands, a UNESCO World Heritage site, are renowned for their unique marine iguanas and are situated in which oceanic current system?

- A) California Current
- B) Humboldt Current**
- C) Gulf Stream
- D) Kuroshio Current

7. The Benguela Current, a cold, eastern boundary current, plays a crucial role in the marine ecosystem of which continent's west coast, supporting abundant fisheries?

- A) South America
- B) Australia
- C) Africa**
- D) North America

8. Which large marine ecosystem, found in the North Atlantic, is characterized by significant upwelling and supports a rich diversity of fish and seabirds, including important cod fisheries?

- A) Mediterranean Sea
- B) North Sea**
- C) Norwegian Sea
- D) Irish Sea

9. The Prince Albert Sound, located in the Canadian Arctic Archipelago, is a significant habitat for which marine mammal species known for its large tusks and social structure?

- A) Narwhal**
- B) Walrus
- C) Harp Seal
- D) Ringed Seal

10. The Indo-Pacific region, particularly the Coral Triangle, is recognized as the global center for marine biodiversity. Which of these countries has the largest share of the Coral Triangle's coral reefs and fish species?

- A) Philippines
- B) Indonesia**
- C) Malaysia
- D) Papua New Guinea

11. The 'Red Tide' phenomenon, often caused by algal blooms, is a recurring issue in coastal waters of which South American country, impacting its marine life and aquaculture?

- A) Chile
- B) Argentina
- C) Brazil**
- D) Peru

12. The Okhotsk Sea, north of Japan, is a highly productive marine environment, particularly important for the spawning grounds of which commercially significant fish species?

- A) Sardines
- B) Salmon**
- C) Mackerel
- D) Herring