

# Exploring the Blue World: Oceanography Basics

Oceanography · Practice Test · 15 Questions

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**1. Which of the following is the largest and deepest ocean on Earth?**

- A) Pacific Ocean
- B) Atlantic Ocean
- C) Indian Ocean
- D) Arctic Ocean

**2. What is the primary cause of ocean tides on Earth?**

- A) The wind
- B) Earth's rotation
- C) The gravitational pull of the Moon
- D) Underwater earthquakes

**3. What term describes the amount of dissolved salts in seawater?**

- A) Viscosity
- B) Salinity
- C) Buoyancy
- D) Turbidity

**4. What is the deepest known point in the Earth's oceans?**

- A) The Java Trench
- B) The Puerto Rico Trench
- C) The Mariana Trench
- D) The Tonga Trench

**5. Which large systems of rotating ocean currents are driven by wind and the Coriolis effect?**

- A) Tides
- B) Gyres
- C) Tsunamis
- D) Ripples

**6. In which ocean zone does enough sunlight penetrate for plants to perform photosynthesis?**

- A) Abyssal zone
- B) Bathypelagic zone
- C) Sunlight (Epipelagic) zone
- D) Hadal zone

**7. What is the name of the continuous underwater mountain range that wraps around the globe?**

- A) The Mid-Ocean Ridge
- B) The Himalayan Range
- C) The Andes
- D) The Great Dividing Range

**8. Which tiny, plant-like organisms form the base of most marine food webs?**

- A) Zooplankton
- B) Phytoplankton
- C) Seahorses
- D) Krill

**9. Approximately what percentage of the Earth's surface is covered by oceans?**

- A) 51%
- B) 61%
- C) 71%
- D) 81%

**10. What is the average salinity of seawater globally?**

- A) 15 parts per thousand
- B) 25 parts per thousand
- C) 35 parts per thousand
- D) 45 parts per thousand

**11. Which technology uses sound waves to map the seafloor?**

- A) Radar
- B) GPS
- C) Sonar
- D) Lidar

**12. What process occurs when cold, nutrient-rich water rises from the deep ocean to the surface?**

- A) Downwelling
- B) Upwelling
- C) Evaporation
- D) Condensation

**13. What is the specific name of the deepest part of the Mariana Trench?**

- A) Challenger Deep
- B) Horizon Deep
- C) Sirena Deep
- D) Galathea Depth

**14. Which ocean is located almost entirely around the North Pole?**

- A) Southern Ocean
- B) Indian Ocean
- C) Atlantic Ocean
- D) Arctic Ocean

**15. What is the name of the 'global conveyor belt' of ocean currents driven by temperature and salt differences?**

- A) Jet Stream
- B) Gulf Stream
- C) Thermohaline Circulation
- D) Trade Winds