

# Marine Biology Essentials

Marine Biology · Practice Test · 10 Questions

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**1. Which marine mammal is the largest animal ever known to have lived on Earth?**

- A) Sperm whale
- B) Blue whale
- C) Great white shark
- D) Giant squid

**2. Coral reefs are primarily built by the accumulation of which substance secreted by coral polyps?**

- A) Calcium carbonate
- B) Silica
- C) Magnesium oxide
- D) Iron sulfide

**3. Which zone of the ocean receives enough sunlight to support photosynthesis?**

- A) Abyssal zone
- B) Hadal zone
- C) Photic zone
- D) Twilight zone

**4. What is the primary method sharks use to detect the electrical fields produced by prey?**

- A) Echolocation
- B) Ampullae of Lorenzini
- C) Lateral line system
- D) Chemoreception

**5. Which of these organisms is classified as a marine mammal rather than a fish?**

- A) Manta ray
- B) Dolphin
- C) Barracuda
- D) Sea horse

**6. What is the main biological process that allows phytoplankton to produce energy in the ocean?**

- A) Chemosynthesis
- B) Photosynthesis
- C) Respiration
- D) Fermentation

**7. Sea turtles are reptiles that breathe using which organ?**

- A) Gills
- B) Skin
- C) Lungs
- D) Spiracles

**8. What do cephalopods like octopuses use to change their skin color and texture for camouflage?**

- A) Chromatophores
- B) Bioluminescence
- C) Photosensitive cells
- D) Melanin granules

**9. Which gas is the most abundant dissolved gas in seawater?**

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

**10. What type of relationship exists between clownfish and sea anemones where both species benefit?**

- A) Parasitism
- B) Commensalism
- C) Mutualism
- D) Predation