

Marine Biology Essentials

Marine Biology · Answer Key · 15 Questions

1. Which marine mammal is known for having the densest fur of any animal, helping it stay warm without blubber?

A) Sea Otter

B) Weddell Seal

C) Polar Bear

D) Bottlenose Dolphin

2. What is the primary substance that makes up the hard skeletons of reef-building corals?

A) Calcium Carbonate

B) Silica

C) Magnesium Oxide

D) Iron Ore

3. Which zone of the ocean, also known as the 'twilight zone,' is where sunlight begins to fade but is still present?

A) Abyssal Zone

B) Bathypelagic Zone

C) Mesopelagic Zone

D) Epipelagic Zone

4. What do giant squids primarily use their specialized tentacles for?

A) Photosynthesis

B) Capturing prey

C) Filtering plankton

D) Floating on the surface

5. Which of these is a cartilaginous fish, meaning its skeleton is made of cartilage instead of bone?

A) Clownfish

B) Great White Shark

C) Bluefin Tuna

D) Red Snapper

6. What is the process by which some deep-sea organisms create their own light using chemical reactions?

A) Bioluminescence

- B) Photosynthesis
- C) Chemosynthesis
- D) Reflection

7. Which sea creature is famous for being able to regenerate its limbs if they are lost to a predator?

A) Sea Star

- B) Manta Ray
- C) Green Sea Turtle
- D) Moray Eel

8. What do baleen whales use their comb-like plates for?

A) Digging in the sand

B) Filtering small prey from water

- C) Attacking large predators
- D) Communicating with pods

9. Which marine crustacean is a keystone species in the Southern Ocean and a primary food source for many whales and penguins?

A) Blue Crab

B) Antarctic Krill

- C) Lobster
- D) Hermit Crab

10. What is the largest species of ray in the ocean?

A) Stingray

B) Eagle Ray

C) Manta Ray

D) Electric Ray

11. Which marine plant is a type of seagrass that forms meadows and serves as a nursery for many fish species?

A) Kelp

B) Posidonia

- C) Phytoplankton
- D) Mangrove

12. What is the average salinity of the Earth's oceans?

A) 3.5 percent

B) 10 percent

C) 0.5 percent

D) 25 percent

13. Which of these is a type of marine mollusk that has no external shell but is known for its bright colors?

A) Nudibranch

B) Oyster

C) Scallop

D) Chiton

14. What role do mangroves play in coastal marine biology?

A) They filter salt out of the ocean

B) They provide protection and habitat for juvenile fish

C) They produce all the oxygen for the ocean

D) They hunt small sharks

15. Which marine reptile is the only living member of its entire order, often referred to as a 'living fossil'?

A) Leatherback Turtle

B) Tuatara

C) Marine Iguana

D) Saltwater Crocodile