Marine Biology Essentials

Marine Biology · Practice Test · 20 Questions

1. Which marine mammal is known for having the densest fur of any animal, lacking a blubber layer?

A) Sea otter
B) Polar bear
C) Bottlenose dolphin
D) Walrus

2. What is the largest species of shark currently inhabiting the Earth's oceans?

A) Great white shark
B) Whale shark
C) Basking shark
D) Hammerhead shark

3. Which zone of the ocean is known as the 'midnight zone' where no sunlight penetrates?

A) Epipelagic zone
B) Mesopelagic zone
C) Bathypelagic zone
D) Hadal zone

4. Corals are classified as which type of organism?

A) Plants
B) Fish
C) Animals
D) Fungi

5. Which sea creature is famous for its ability to change both color and texture to camouflage itself?

A) Octopus
B) Clownfish
C) Starfish
D) Jellyfish

6. What is the primary substance that makes up the skeletal structure of sharks?

A) Bone
B) Cartilage
C) Calcium carbonate
D) Keratin

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7. Which ocean is the largest and deepest on Earth?

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

8. What process do marine phytoplankton primarily use to produce energy?

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

9. Which of these is a marine reptile that spends its entire life at sea?

A) Saltwater crocodile
B) Sea turtle
C) Sea snake
D) Marine iguana

10. What is the term for the process by which coral reefs lose their symbiotic algae, often due to high water temperatures?

A) Coral bleaching
B) Ocean acidification
C) Sedimentation
D) Eutrophication

11. Which marine organism is considered the largest animal to have ever lived on Earth?

A) Sperm whale
B) Blue whale
C) Colossal squid
D) Megalodon

12. What do manatees primarily eat?

A) Small fish
B) Sea grass
C) Crustaceans
D) Corals

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13. Which gas, dissolved in seawater, do marine organisms need to perform cellular respiration?

A) Carbon dioxide
B) Nitrogen
C) Oxygen
D) Methane

14. What is the main component of the protective shell of a mollusk?

A) Silica
B) Calcium carbonate
C) Chitin
D) Protein

15. Which unique feature do echinoderms, like sea stars, use for movement and feeding?

A) Jointed legs
B) Water vascular system
C) Cilia
D) Gas bladders

16. In which part of the ocean is the Great Barrier Reef located?

A) Coral Sea
B) Caribbean Sea
C) Red Sea
D) Arabian Sea

17. What is the primary function of a fish's lateral line?

A) Digesting food
B) Detecting vibrations in the water
C) Filtering salt
D) Storing oxygen

18. Which marine mammal is capable of diving to the greatest depths to hunt giant squid?

A) Blue whale
B) Sperm whale
C) Orca
D) Humpback whale

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19. How do most species of jellyfish capture their prey?

A) By chasing them at high speeds
B) Using stinging cells called cnidocytes
C) By filtering water through gills
D) Using bioluminescent lures

20. What is the term for the rhythmic rise and fall of ocean water caused by the gravitational pull of the Moon and Sun?

A) Waves
B) Tides
C) Currents
D) Tsunamis

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