

Marine Biology Essentials

Marine Biology · Answer Key · 18 Questions

1. Which layer of the ocean receives the most sunlight?

- A) Bathypelagic zone
- B) Epipelagic zone**
- C) Abyssal zone
- D) Hadal zone

2. What is the primary substance that makes up the skeleton of a shark?

- A) Bone
- B) Calcium
- C) Cartilage**
- D) Chitin

3. Which marine mammal is known for using blubber to stay warm in cold water?

- A) Sea turtle
- B) Blue whale**
- C) Great white shark
- D) Octopus

4. What is the largest ocean on Earth?

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

5. Which type of organism is responsible for producing most of the oxygen in the ocean?

- A) Phytoplankton**
- B) Coral
- C) Jellyfish
- D) Seaweed

6. What structure do bony fish use to extract oxygen from water?

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

7. In which zone of the ocean do coral reefs typically grow?

- A) Midnight zone
- B) Sunlight zone**
- C) Trench zone
- D) Abyssal zone

8. What do marine biologists call the collection of tiny drifting organisms at the base of the food web?

- A) Benthos
- B) Nekton
- C) Plankton**
- D) Coral

9. Which of these is a crustacean commonly found in marine environments?

- A) Starfish
- B) Crab**
- C) Sponge
- D) Sea snake

10. What is the process by which plants and algae turn sunlight into energy?

- A) Respiration
- B) Photosynthesis**
- C) Digestion
- D) Evaporation

11. Which part of the ocean floor is the deepest?

- A) Continental shelf
- B) Abyssal plain
- C) Ocean trench**
- D) Mid-ocean ridge

12. What is the main cause of tides on Earth?

- A) Wind patterns
- B) Earthquake activity
- C) The moon's gravitational pull**
- D) Underwater volcanoes

13. Which animal is a cephalopod known for its ability to change color and texture?

- A) Octopus**
- B) Sea urchin
- C) Clam
- D) Lobster

14. What is the saltiness of seawater called?

- A) Density
- B) Salinity**
- C) Pressure
- D) Temperature

15. Which marine reptile must come to the surface to breathe air?

- A) Sea turtle**
- B) Clownfish
- C) Seahorse
- D) Moray eel

16. What are the individual animals that live together to form a coral colony called?

- A) Polyps**
- B) Larvae
- C) Sponges
- D) Anemones

17. Which zone is completely devoid of sunlight?

- A) Photic zone
- B) Intertidal zone
- C) Aphotic zone**
- D) Neritic zone

18. Which gas do marine animals primarily need to remove from their bodies as a waste product?

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