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**Unit 3 Biomes & Aquatic Ecosystems Study Guide**

*Test Format: 24 Multiple Choice Questions, 6 Matching, and 2 Short Answer Essay Questions.*

1. What kinds of water are present in an estuary?

2. Where are swamps found?

3. Where are the majority of marine organisms found?

4. How do rivers change as they flow down a mountain?

5. In which freshwater zone is life most diverse?

6. Define nekton.

7. Define salinity.

8. Which forest biome has trees that loose their leaves in the fall?

9. Which biome has the greatest diversity of species?

10. How do latitude and altitude affect the plants that grow in an area?

11. How does the tropical rainforest differ from the taiga?

12. Give an example of how coral reefs are threatened by human activity.

13. Give an example of how estuaries are threatened by human activity.

14. Compare and contrast the littoral zone and the benthic zone of a lake.

15. Which organism produces most of the food in an aquatic ecosystem?

16. How are coral reefs formed?

17. Why doesn’t photosynthesis occur in deep ocean water?

18. What animals live in the savanna?

19. What damage has been done to prairies?

20. What are animal adaptations in the taiga, deserts, and rainforest?

21. What is included in a description of climate?

22. What is permafrost and where is it located?

23. What kinds of trees would you find in the taiga?

24. What characteristics are included in the description of a biome?

25. What do rodents do for protection in the tundra?

26. If you travel from the North Pole to the equator, what is the order of biomes you would pass through?

27. Define latitude.

28. What are the functions of wetlands?

29. Where do estuary nutrients come from?

30. What are some causes of coastal pollution?