

Name:

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Unit 2 Biomes Study Guide

- ___ 1. The biome populated by cone-bearing trees such as pine, spruce, and fir is the

- ___ 2. In which environment is white fur color an advantage for survival?

- ___ 3. Some mesquite trees have deeper roots than any other plant in the desert. How are deep roots an adaptation for survival in the desert?

- ___ 4. Liza is researching a particular biome. This biome is characterized by dense plant growth in a moist, low-light environment. Some of her observations include ferns, plants with large leaves, large woody vines, sloths, boa constrictors, and toucans. Which biome is she researching?

- ___ 5. A biome found on either side of the equator, between 0° and 20° latitude, gets little rain and has extreme temperature fluctuations. This is a description of the biome's

- ___ 6. What in the northern most biome?

- ___ 7. The eastern United States is predominately a

- ___ 8. Tropical rain forest receive the most _____.

- ___ 9. What are the large land areas characterized by a dominant form of plant life and climate type called?

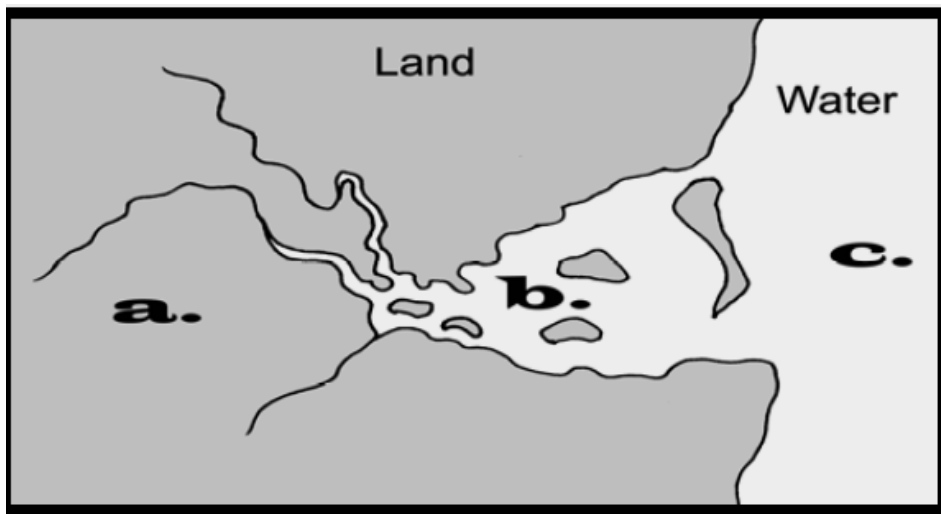
- ___ 10. A seventh-grade student goes to visit his cousin. After arriving, the student observes raccoons, squirrels, chipmunks, deer, oak trees, maples, birches, ferns, and grasses. What biome is he visiting?

- ___ 11. Latosha's class read a novel. In the book the author described the setting. The author wrote "It is extremely cold, yet the air is dry. The sun shines almost 24 hours a day during these summer months. Mosses, lichens and low growing plant cover the ground. Caribou and musk oxen roam." Which biome is the author describing?

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- ___ 12. Lakes, ponds, swamps, streams, and rivers are part the _____ biome.
- ___ 13. Which biome is know for its poor soil, cacti, and organisms such as snakes, vultures, and nocturnal animals?
- ___ 14. The biome with few scattered trees, and a variety grass where elephants, kangaroos, and giraffes feed is called the _____.
- ___ 15. What is an estuary?
- ___ 16. Look at the picture below. Which letter represents an estuary?



- ___ 17. Why are estuaries important to our environment?
- ___ 18. Which biome is extremely cold and dry?
- ___ 19. Ponds and rivers are two
- ___ 20. A large variety of plants grows in tropical rain forest because
- ___ 21. Oak, maple, and beech trees, which lose their leaves each year, are typically found in the _____ biome.
- ___ 22. _____ is a biome south of the tundra in which conifers are the dominant plant life.

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- ___ 23. Biome characterized by heavy rainfall and warm temperatures year around; found near the equator is _____.
- ___ 24. Jarred is studying biomes using a map. Which is the northernmost biome?
- ___ 25. An environmental scientist says that mountains do not fit into any specific biome. What is the reasoning behind this statement?
- ___ 26. Susan wrote the following in her travel journal. "Today was extremely hot. I bet I drank two gallons of water. The different shapes of the cacti are interesting; it's amazing anything can grow in this poor soil. I'm looking forward to our night explorations, nocturnal animals are interesting." Where is Susan?
- ___ 27. A biome's climate is determined by its location. The latitude, elevation, and the proximity to oceans are major factors. The equator is at Latitude 0 degrees. Any biome located here would experience a warm, humid, rainy environment. Which biome is found mainly at the equator
- ___ 28. Estuaries are important transitional zones between freshwater and saltwater environments. What are some important characteristics of an estuary?
- ___ 29. Identify the following biome.
There is little precipitation during the cold winter and hot summers. The plants are predominately grasses although there are also a few trees. The area supports grazing animals, prairie dogs, foxes and snakes.
- ___ 30. A friend from South America visits Georgia during a snowstorm. She exclaims, "This must be the tundra!" What is the value of her claim?
- ___ 31. This biome is the world's most biologically diverse ecosystem. They contain over 50% of the plant and animal species though they only cover about 7% of the land's surface. They play a critical role in the global climate. They have a closed canopy (where the treetops touch each other). Most of these occur near the equator. They are characterized by lush vegetation and high temperature and rainfall throughout the year.

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32. Label the plants with the biome that they would most likely be found in.
(Temperate Deciduous Forest, Taiga, Desert, Tropical Rainforest)



33. Name three fresh water environments.

a. _____ b. _____ c. _____

34. What is the name of the biome which has a geographical area that receives little rainfall and whose terrain is often dominated by rocks, sand, and overall poor soil?

35. Below is a list of characteristics of the different biomes. Read the characteristics and identify the biome they are referring to.

a. _____ Caribou, snowy owl, lichen, low growing plants, very cold, little precipitation

b. _____ Coniferous trees, much of Canada, regular precipitation, cold winters, moose, elk, insects

c. _____ Oaks, white tailed deer, ferns, black bear, lot of rain, moderate temperatures

d. _____ near equator, toucan, canopy, abundant rainfall, greatest biodiversity

e. _____ many types of grasses, few trees, prairie dog, bison, elephants, mild in summer, cool to cold winters

36. Evergreens are _____ trees.

37. _____ trees drop their leaves before winter comes.

38. Temperature and precipitation determine an area's _____, which can limit dispersal of organisms.

39. The soil that is frozen all year in the tundra is called _____.

40. _____ occur where rivers meet the ocean.

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