

BIOME ONLINE INTERACTIVE /36 name _____ hr _____

[https://www.biointeractive.org/classroom-resources/biomeviewer:](https://www.biointeractive.org/classroom-resources/biomeviewer)

click:



1. What biome is Michigan in? (if you can't tell the difference between the green colors, click on Michigan and the box that pops up to the right will tell you the biome).

2. What side of the graph is the temperature?

3. Is the temperature the line graph with circles, or the bar graph on the bottom?

4. What side of the graph is the rain/snow?

5. Is the precipitation the line graph with circles, or the bar graph on the bottom?

6. How many mammal species do we have in Michigan?

7. How many reptile species are there in Michigan?

8. Now click cities in a straight line down from Michigan to Florida. While doing so, look at the number of reptiles in those locations. What is the general trend?

9. Do the same exact thing, but this time watch the temperature line graph. What is the general trend as you go south?

10. Click on Florida. What biome is the majority of Florida?

11. Are there more or less reptile species in Florida? Explain why. (2pts)

12. What is the biome that is directly west of Michigan?

13. Go even further west... what is the name of the light brown biome?

14. True or false: There is more mammal diversity in the desert out west than the deciduous forest of Michigan.

15. Go to the dark green biome just above Michigan. What biome is it?

16. How is the temperature different in this biome compared to Michigan's biome?

17. Continue north to the light blue biome. What is it?

18. What is the precipitation like in this light blue biome?

19. Now move to South America. What biome is the majority of the northern portion of South America?

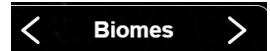
20. Look at the temperature curve of this biome. What is it like?

21. What is the precipitation like here compared to Michigan?

22. How do the species in this biome compare to the species in Michigan's biome?

23. Now go to the light blue biome on the west (left) side of South America. What biome is this?

24. Now click on the right carrot next to the biome label until you get to "TERRAIN."
What geographical feature is located in this light blue biome?



25. So, is this a polar tundra biome or an alpine tundra biome?


26. Look back at America. Find the Rocky Mountains on the left side. Click back to "biome." Are the biomes in the Rockies the same as the biome of the Andes (South American mountains)?

27. Put a pin in the light blue biome of South America once again. (about right in the middle) How does the temperature in July compare to the temperature of Michigan in July? How does the January temperature compare?

28. Now click on the right carrot next to the biome label until you get to temperature.
What does the purple color stand for? yellow? (2pts)



29. Starting on January, click through each month in order and watch the continent of North America.
What happens?

30. Click on the globe and spin it around to the Eastern Hemisphere. (You should be able to see Africa.)
Now click the North button, so that the globe is situated correctly.  Click back to the "Biomes" tab.
What biome is the majority of North Africa?

31. Click somewhere in Egypt. In general is there more or less biodiversity in Africa's desert (compared America's desert)?

32. What biome is south of the desert in Africa?

33. What is the green biome in the center of Africa?

34. Which of these 3 biomes has the greatest biodiversity? (compared to each other)
