

Name: _____

Block: _____

Date: _____

Video Worksheet: Planet Earth "Pole to Pole"

Part A: Define the following vocabulary terms using your journal:

Abiotic –

Biotic –

Herbivore –

Carnivore –

Ecosystem –

Part B: Answer the following questions about each biome as you watch the video:

Polar 1 (Arctic)

1. List two abiotic factors that affect life in the arctic:
2. List one biotic factor that affects life in the arctic:
3. List one carnivore from the video that lives in the arctic:

Tundra

4. List two abiotic factors that affect life in the tundra:
5. List two biotic factors that affect life in the tundra:
6. List one herbivore from the video that lives in the tundra:
7. List one carnivore from the video that lives in the tundra:
8. What is the main source of energy for the herbivore?
9. What is the main source of energy for the carnivore?

Boreal Forest (Taiga)

10. What kind of tree inhabits boreal forests?

Temperate (deciduous) Forest

11. What kind of tree inhabits temperate forests?
12. List two abiotic factors that affect life in the temperate forests:
13. List two biotic factors that affect life in the temperate forests:
14. List one herbivore from the video that lives in a temperate forest:
15. List one carnivore from the video that lives in a temperate forest:

16. Why are the carnivores that you saw in the temperate forest segment so scarce now?

17. What causes the Earth to have seasons?

Tropical Forest

18. List two abiotic factors that affect life in tropical forests:

19. List two biotic factors that affect life in tropical forests:

20. The rainforest covers 3% of the planet surface, but contains _____% of its species!

Ocean (marine)

21. List two abiotic factors that affect life in the oceans:

22. List two biotic factors that affect life in the oceans:

23. List one carnivore from the video that lives in the ocean:

Desert

24. List two abiotic factors that affect life in the desert:

25. List two biotic factors that affect life in the desert:

26. List two herbivores from the video that live in the desert:

27. List two carnivores from the video that live in the desert:

28. Which abiotic factor has the biggest influence on the desert organisms? Why?

Mountain

29. List two abiotic factors that affect life in the mountains:

Polar 2 (Antarctic)

30. List two abiotic factors that affect life in the Antarctic:

31. List one biotic factor that affects life in the Antarctic:

Summary: In a minimum of six sentences, describe some interesting facts that you learned about an animal, a biome and an environmental adaptation.