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Topic: Biome Resource Availability Worksheet

Summary: Assess students' knowledge of the terrestrial biomes and the resources available to organisms in each biome.

Goals & Objectives: Students will be able to identify the biotic and abiotic factors of each biome.

Time Length: 15 minutes

NGSS Standards: *MS-LS2-1.* Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.

Materials:

Class notes or textbook or online textbook

- <https://flexbooks.ck12.org/cbook/ck-12-biology-flexbook-2.0/section/6.8/primary/lesson/climate-effects-on-biomes-bio/>
- <https://flexbooks.ck12.org/cbook/ck-12-biology-flexbook-2.0/section/6.9/primary/lesson/terrestrial-biomes-bio/>

Procedures:

You can choose to let your students use their notes, binders, and textbook or have those things put away.

Accommodations: Students with an IEP can have extra time with the worksheet.

Editable DOCX File and Answer Key:

Available at www.ngsslifescience.com

Name: _____ Row: _____

Date: _____ Period: _____

Biome Resource Availability WS

1. Which land biome has frozen topsoil? _____

2. What are two abiotic factors in this biome? _____, _____
3. What types of resources are available to organisms on top of the frozen topsoil? _____

4. Which land biome has low growing plants and some of the largest herbivores?

5. What are two abiotic factors in this biome? _____, _____
6. What types of resources are available to organisms with the low growing plant biome? _____

7. Which land biome is made up of a coniferous forest? _____
8. What are two abiotic factors in this biome? _____, _____
9. What types of resources are available to organisms in a coniferous forest? _____

10. Which land biome receives fewer than 30 cm of rain per year? _____
11. What are two abiotic factors in this biome? _____, _____
12. What types of resources are available to organisms with such little rainfall? _____

13. Which land biome has the highest rainfall and a great diversity of plants and animals?

14. What are two abiotic factors in this biome? _____, _____
15. What types of resources are available to organisms with so much rainfall? _____
