

ACTIVITY 1- Abiotic Factors

Abiotic factors are the nonliving factors that affect the wildlife species that live in an ecosystem. In this activity you will look at the abiotic factors of The Canadian Shield.

[Click The Canadian Shield in Alberta link \(Ecosystems 2-1\)](#)

1. What is the name given to the piece of The Canadian Shield that occurs in Alberta?
2. On the map draw the location of The Canadian Shield in Alberta.
3. What are the features of region.



4. What is a “granite bedrock exposure”?
5. How much of Alberta does The Canadian Shield cover?
6. How much of the region is “exposed bedrock”?

7. Describe the climate of the region.

Go to page 180 for the next two questions but return to where you were afterwards.

8. Which month has the most precipitation and how much falls (p180)?

9. What is the average temperature in January (p180)?

10. Vegetation in the region is strongly influenced by _____

11. What conditions are found in “pocket” communities?

12. How much of the region is covered with lakes?

13. Name 3 lakes in the region

14. How much of the region is covered with wetlands?

15. Name 5 habitats that exist in the region.

16. What is the major factor affecting the number of resident avian (bird) species in the region?

17. In your own words, what are the four most important abiotic factors affecting wildlife in the region?