

1. Northern climates are often called \_\_\_\_\_.
2. The two factors that determine the natural vegetation of an area are \_\_\_\_\_ and \_\_\_\_\_.
3. \_\_\_\_\_ is the plant life that grows in an area \_\_\_\_\_ without any interference from people.
4. \_\_\_\_\_ are created when rock is broken down over long periods of time.
5. \_\_\_\_\_ are substances found in the soil that are needed by plants in order to grow.
6. \_\_\_\_\_ is the decaying remains of plant and animal life.
7. Organic material is largely broken down into nutrients needed by plants largely through the work of \_\_\_\_\_.
8. \_\_\_\_\_ is the means by which rocks and other matter are broken down over time.
9. The deepest layer of a soil profile is called \_\_\_\_\_.
10. Apart from fertile soil, the two things needed by plants in order to grow are \_\_\_\_\_ and \_\_\_\_\_.
11. \_\_\_\_\_ is a process that reduces soil fertility when rain causes soil and its minerals to move deeper into the ground.
12. In dry climates, moisture in the soil is drawn upwards through a process called \_\_\_\_\_.
13. The uppermost layer in the soil is called \_\_\_\_\_, an area rich in humus and seriously affected by leaching.
14. The \_\_\_\_\_ is a horizon that combines organic material with minerals from weathered parent material.
15. The layers of the soil are also called \_\_\_\_\_.
16. The Arctic tundra region is the land of \_\_\_\_\_.
17. In the tundra the growing season lasts \_\_\_\_\_ weeks.
18. The \_\_\_\_\_ is the name given to a line at high latitudes beyond which trees will not grow.
19. The \_\_\_\_\_ is the largest vegetation zone in Canada.

20. The soils of the boreal forest are called \_\_\_\_\_.
21. The soils of the boreal forest are greyish in colour because there is \_\_\_\_\_.
22. Only coniferous trees, or \_\_\_\_\_, are able to harvest the soil's nutrients from the boreal forest.
23. The temperate rainforest is ideal for the growth of \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
24. The soils of the long grass prairie are called \_\_\_\_\_.
25. The soils of the long grass prairie are especially ideal for the growing of \_\_\_\_\_.
26. The word **chernozem** is Russian for \_\_\_\_\_.
27. In the mixed forest, deciduous trees like the \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ flourish.
28. The **comfort temperature** is considered to be \_\_\_\_\_EC.
29. The difference between the top of a hill and the bottom is called the \_\_\_\_\_.
30. The \_\_\_\_\_ is the measurement of how much a slope drops over a given distance.
31. The four provinces of Canada that have become well-known throughout the world for their skiing facilities are \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.

1. What things are needed by all soils in order to be considered rich and fertile ?
2. Describe the characteristic features of the Arctic tundra.
3. In what two ways does the needle cover of coniferous trees protect the tree itself ?
4. How is the **comfort temperature index** of an area calculated ?
5. How is the **gradient** of a hillside calculated ?
6. Describe the different layers that make up the soil.
7. Describe the characteristic features of the **boreal forest**.