

Location: Northern Boreal forests (Canada)

Cairngorms / NW Highlands of Scotland

Podsol / Podzol

Climate -

Temperature determine rate of decomposition / Rainfall
will wash minerals / cause waterlogging

Drainage —

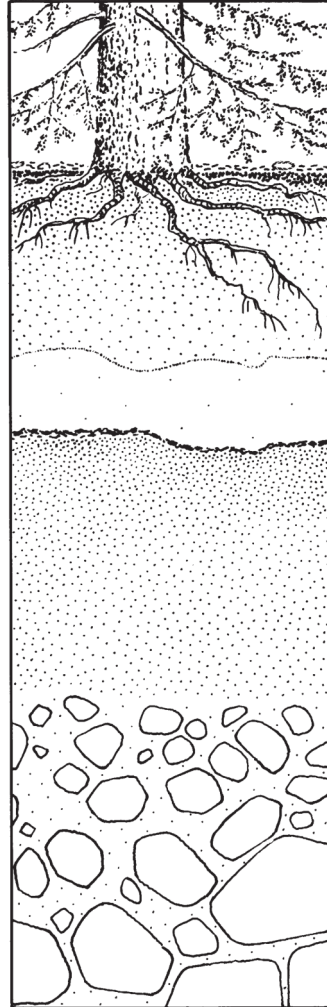
Soils with a coarse/sandy texture will be more freely
drained than fine textured soils (e.g.) Clay. Relief will also
have an impact.

A

E

B

C



Vegetation - This has a large effect on soil pH

Biota/Organisms -

This is a decomposer that breaks down "leaf litter" and dead vegetation

Parent Material -

The "solid" or "drift" geological material that soil forms from

Relief - The "terrain" of the landscape

Location: Temperate deciduous forest Northern
Europe / Southern England / Lowland Scotland

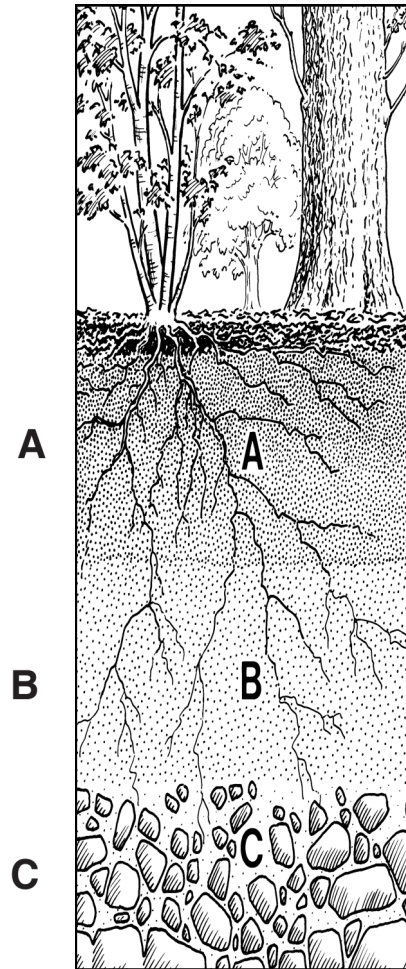
Climate -

Temperature determine rate of decomposition / Rainfall
will wash minerals / cause waterlogging

Drainage —

Soils with a coarse/sandy texture will be more freely
drained than fine textured soils (e.g.) Clay. Relief will also
have an impact.

Brown Earth



Vegetation - This has a large effect on soil pH

Biota/Organisms -

This is a decomposer that breaks down "leaf litter" and dead vegetation

Parent Material -

The "solid" or "drift" geological material that soil forms from

Relief - The "terrain" of the landscape

Location: Siberia / Northern Territory, Canada

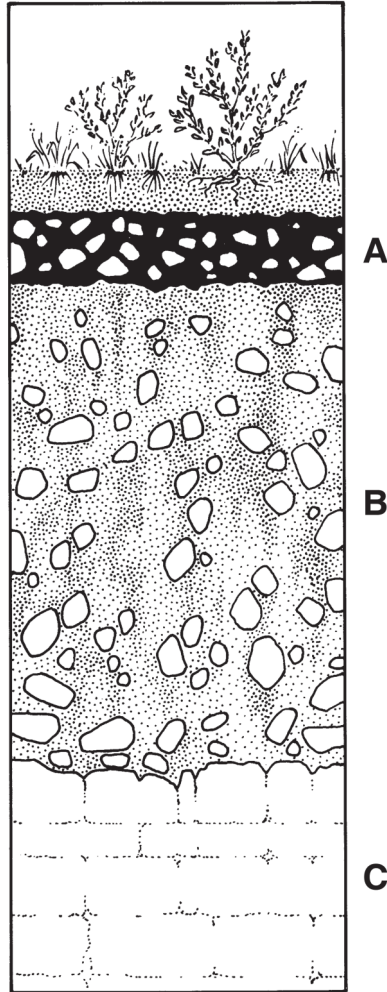
Tundra Gley

Climate -

Temperature determine rate of decomposition / Rainfall will wash minerals / cause waterlogging

Drainage —

Soils with a coarse/sandy texture will be more freely drained than fine textured soils (e.g.) Clay. Relief will also have an impact.



Relief - The "terrain" of the landscape

Vegetation - This has a large effect on soil pH

Biota/Organisms -

This is a decomposer that breaks down "leaf litter" and dead vegetation

Parent Material -

The "solid" or "drift" geological material that soil forms from