

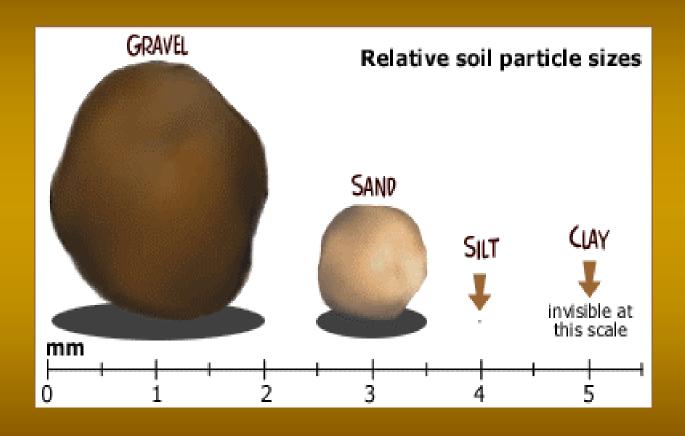
Think and Share Activity

What is soil?

Why do you think soil is important to all of us?



How big are soil particles?

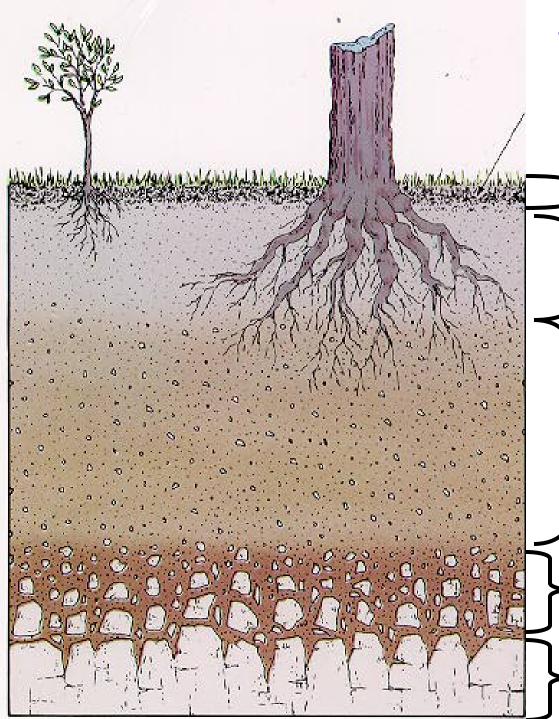


What are soil

Horizons?

If you dig a deep hole, you will see that soil is made of layers, called horizons.





Soil Horizons

'O' horizon is the humus layer, with partially decomposed organic mater

'A' horizon is the topsoil, dark and rich

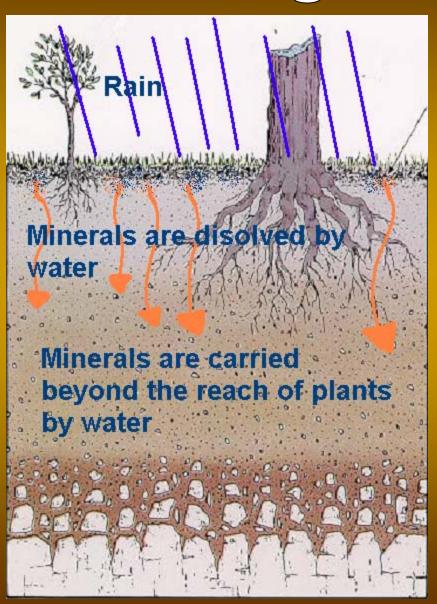
'B' horizon is the subsoil, many minerals are built up in it

'C' horizon is unfertile, with broken up rock fragments

'D' horizon is unfertile, solid bedrock

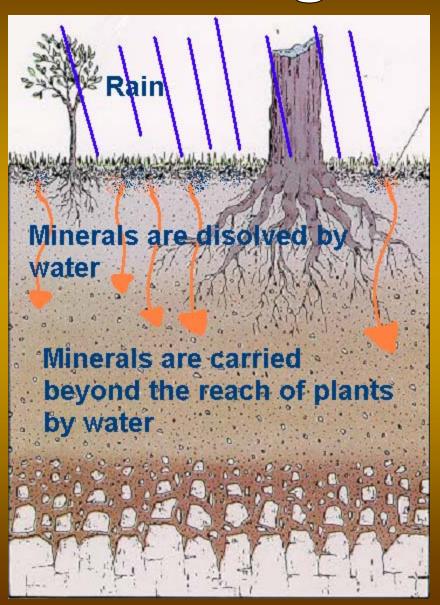
What is Soil Leaching?

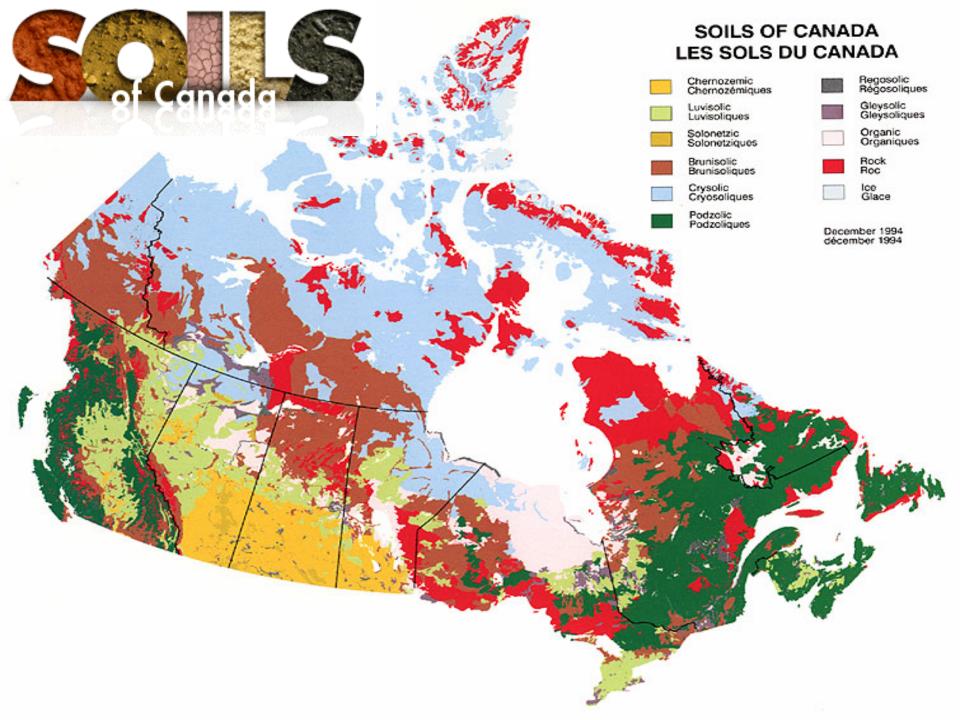
Loss of nutrients caused by the draining of water through the soil.

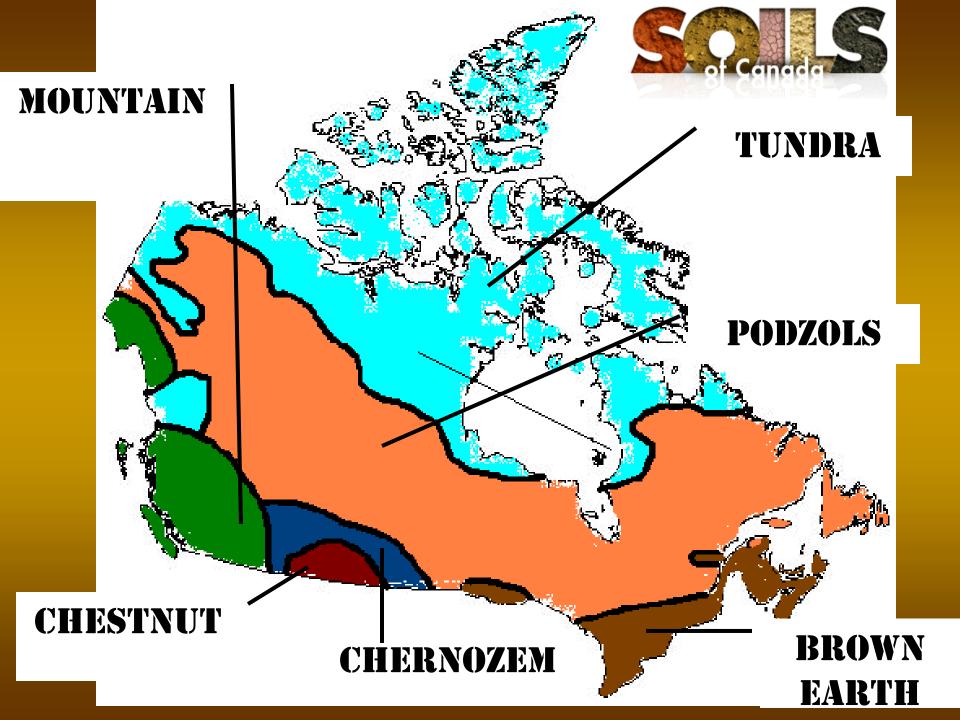


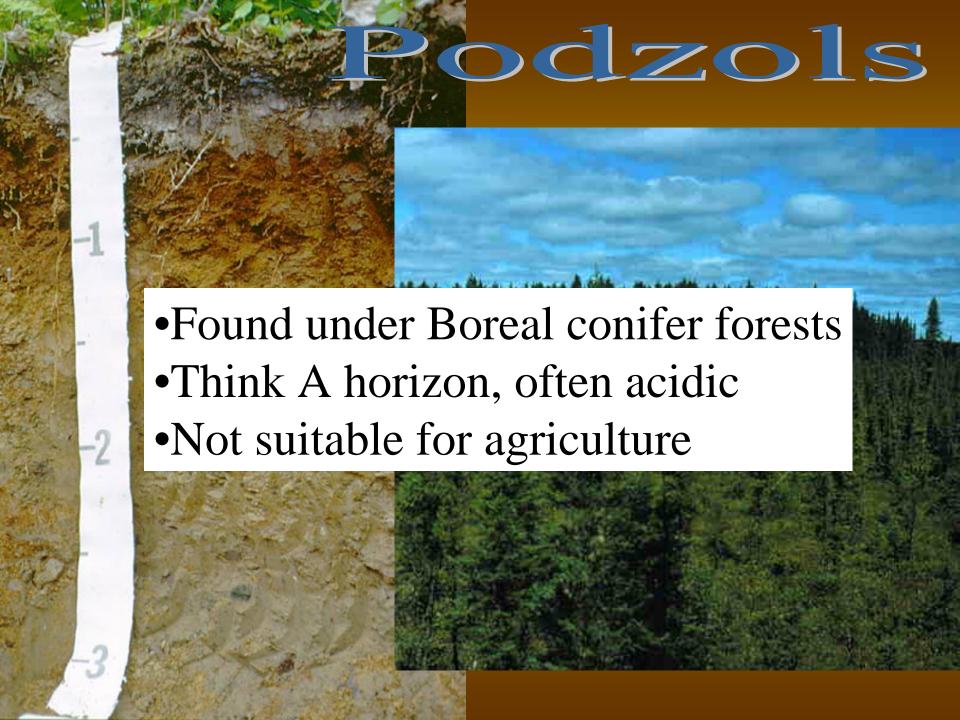
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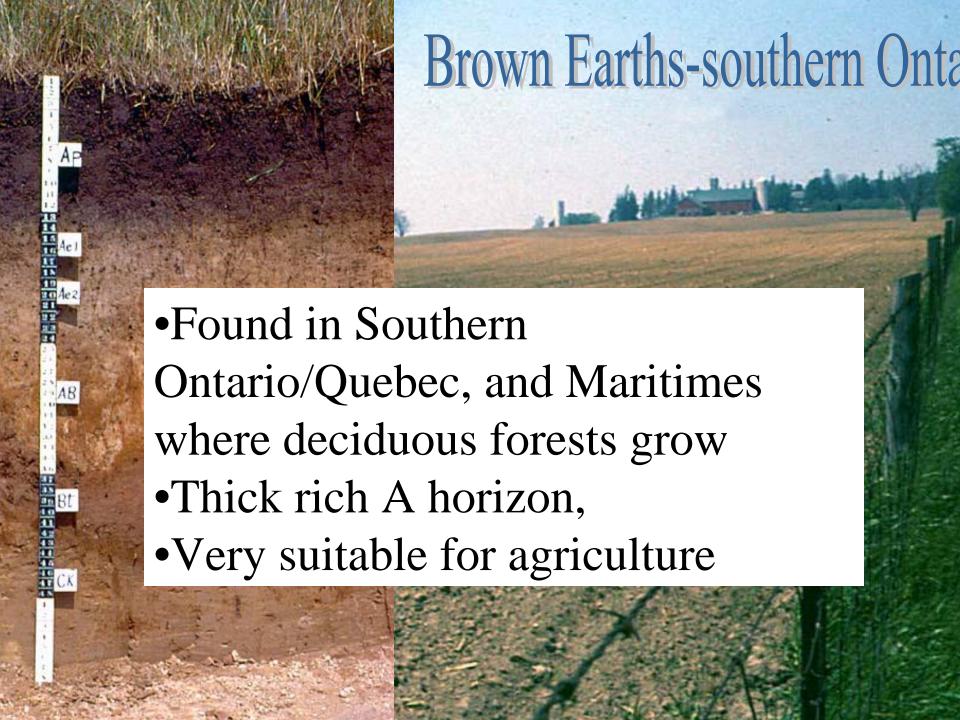












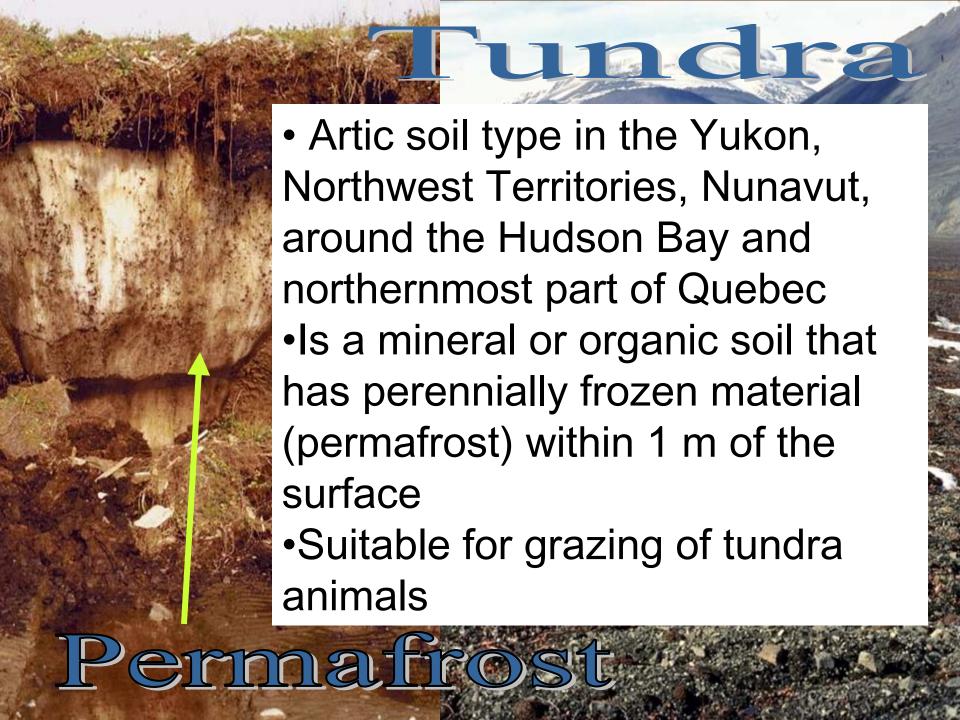
Chernozem Soil

- •Found in Alberta, Saskatchewan and Manitoba in the tall grass prairies region
- •A dark grassland soil, A horizon was formed by slow decomposition of the roots of grasses.
- •Good for growing crops that don't need a lot of moisture like wheat, canola & rye. Good for cattle ranching too.

Chestnut Soils

- •Found in Southern Alberta & Saskatchewan in the short grass prairies region
- •B horizon is hard due to calcification, so plants need to have shallow roots
- •Good for cattle ranching, growing wheat or hay





Special building required on permafrost



