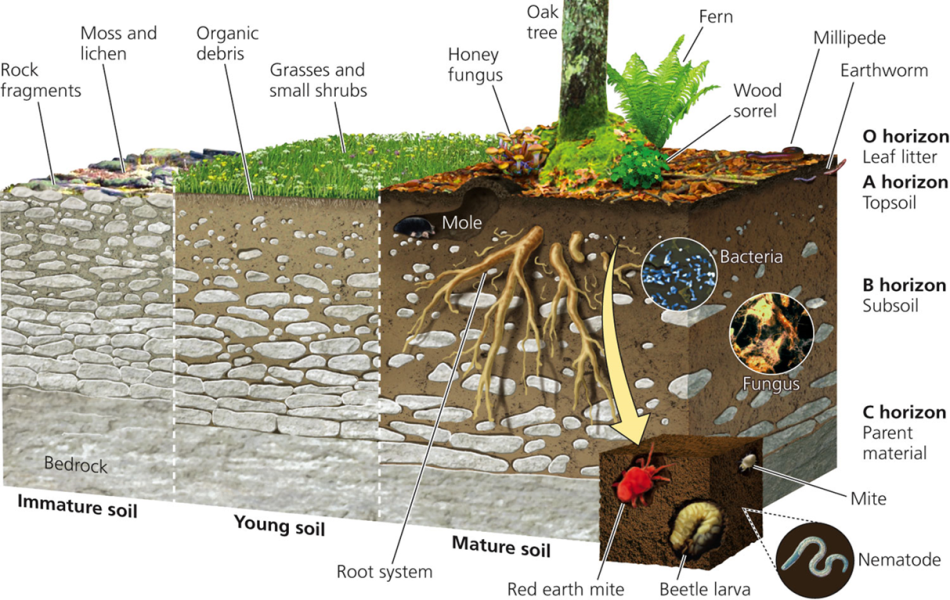
Topic 5.1 Introduction to Soils Notes

In your own words

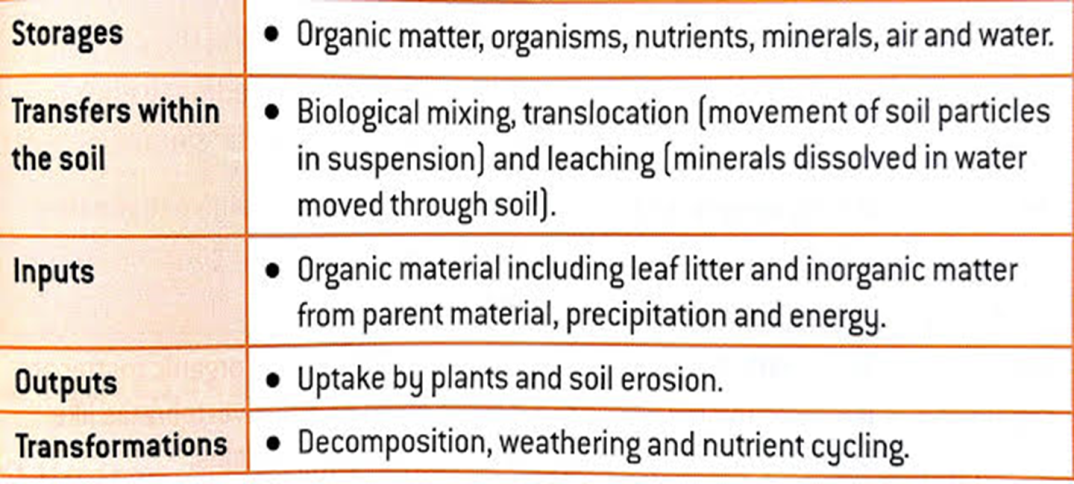
* Write down in two sentences (no more than 2) your impression of the video clip “Dirt the Movie”
* What is soil
* Why is soil so important?
* Where does soil come from?

Soils are a complex ecosystem made up of:

The importance of soils



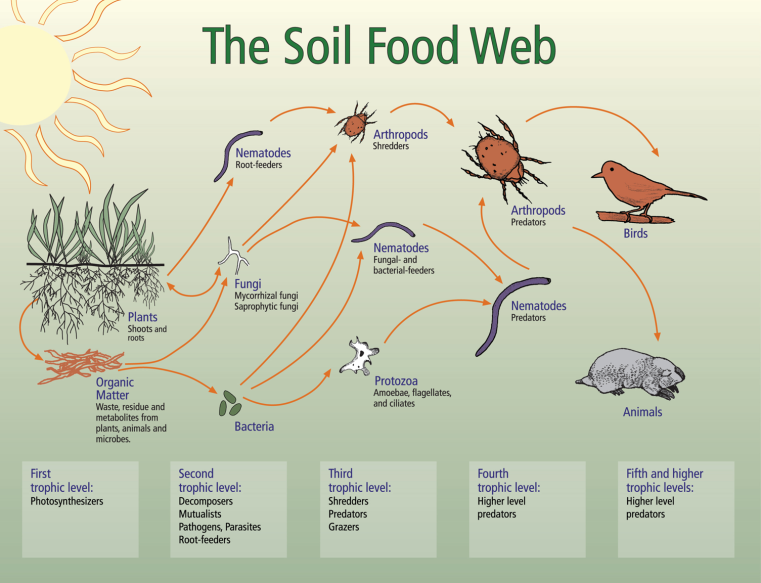
How Soils Are Formed

Construct a systems diagram of the above data

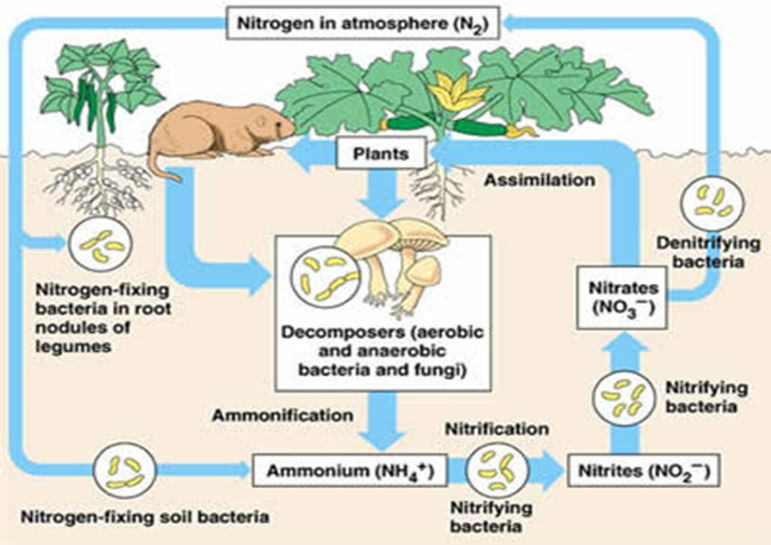
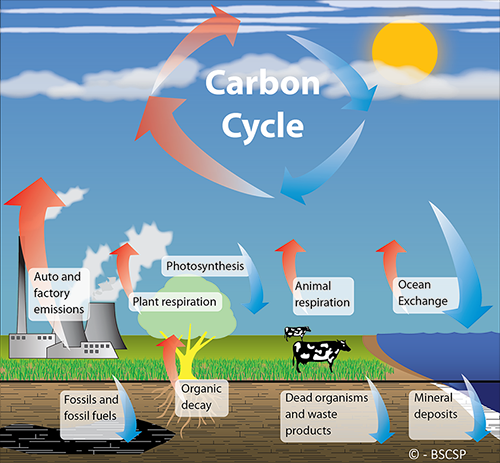
Soils

Biological Mixing

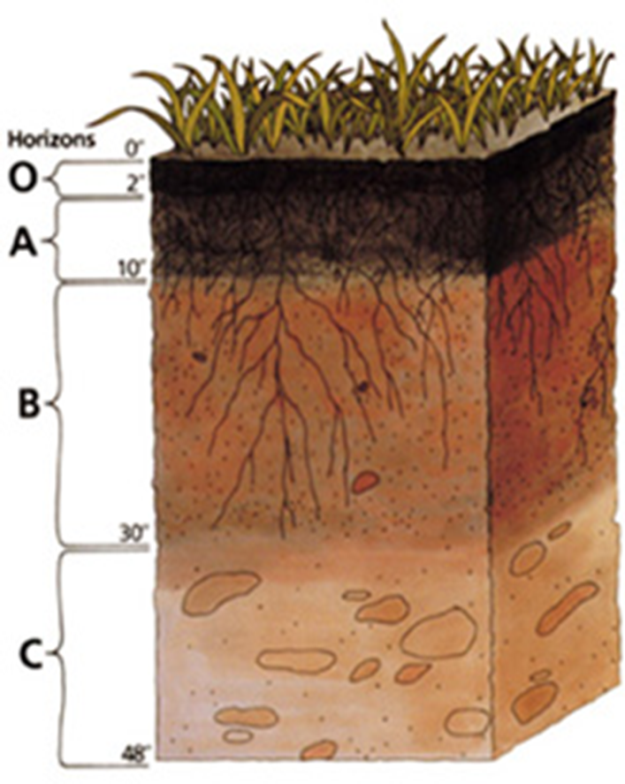
Organic Matter

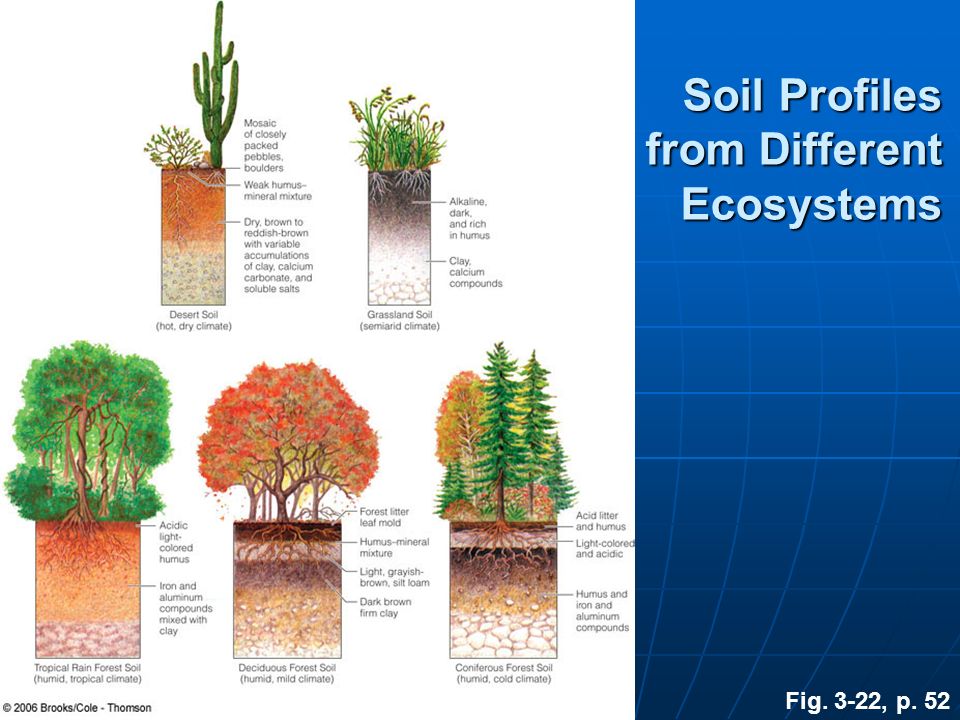


Review of the cycles



Soil Horizons



Soils in Different Ecosystems

Soil Particles

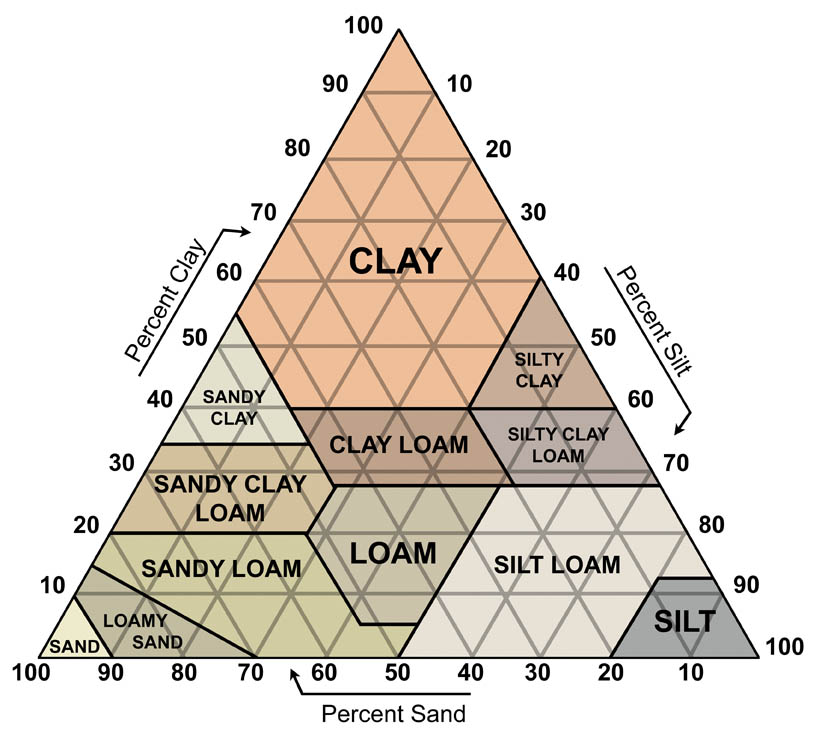
Clay –

Silt –

Sand –

Soil texture is determined by the . Soil texture will affect and

Soil Texture Triangle

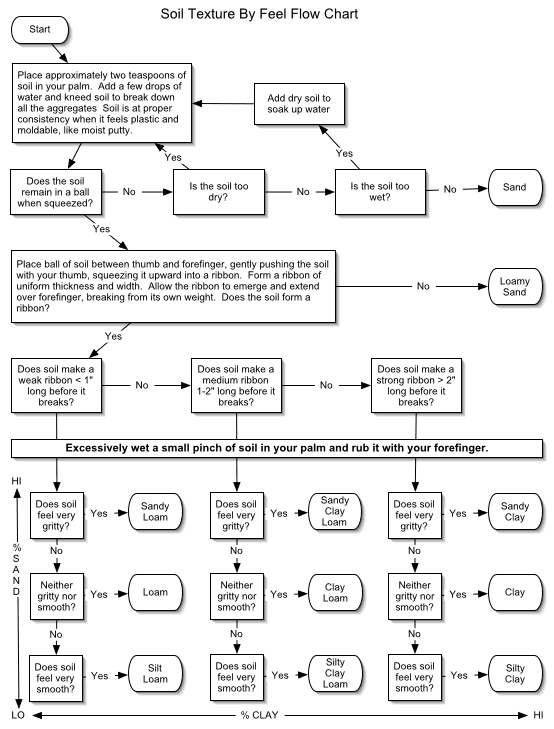


How to determine soil texture

Sand

Silt

Clay



Soil Permeability

Permeability –

Porosity –

Permeability –

Identify the permeability with the following soils

Sand

Silt

Clay

Complete the following table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Soil Texture | Nutrient  Capacity | Infiltration | Water Holding  Capacity | Aeration | Workability |
| Clay |  |  |  |  |  |
| Silt |  |  |  |  |  |
| Sand |  |  |  |  |  |

How does acidification affect soil properties?

List the factors that can impact soil sustainability