

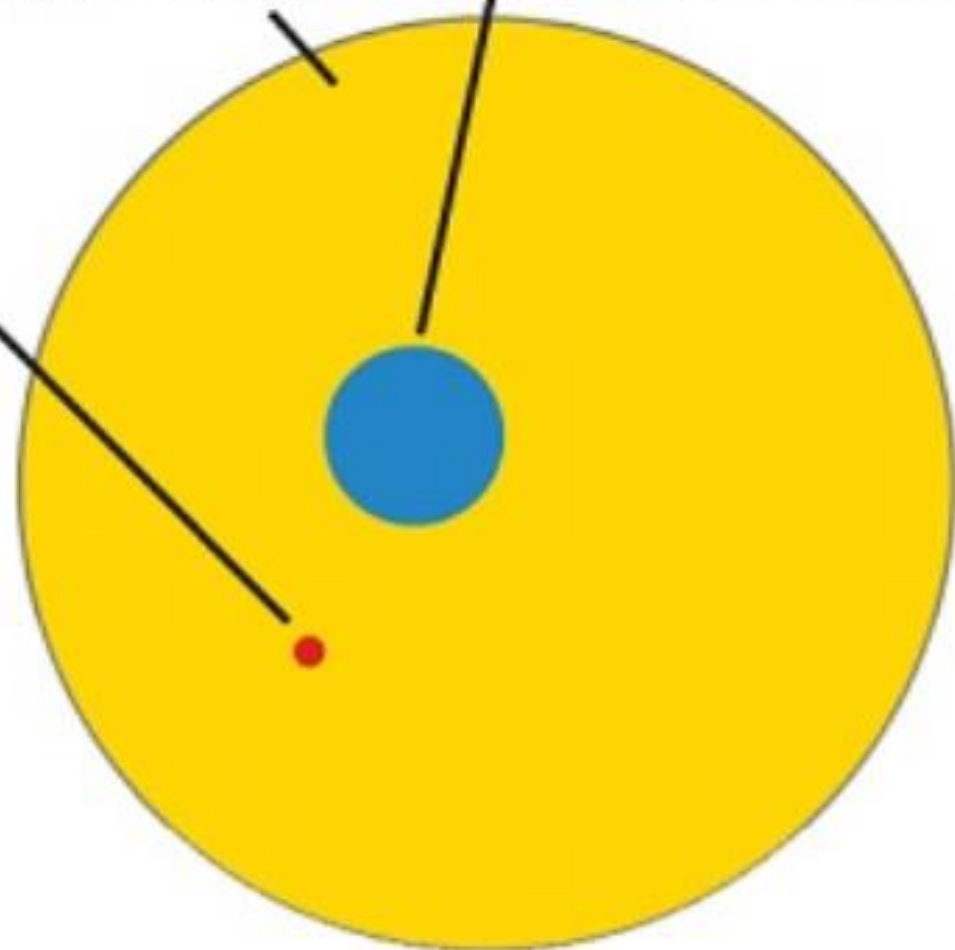
Soil

Not Dirt!

SAND – 2.0 to 0.05 mm

SILT – 0.05 to 0.002 mm

CLAY – less than 0.002 mm



Jar testing for soil type

Sand



0 - 10% clay
0 - 10% silt
80 - 100% sand

Loam



10 - 30% clay
30 - 50% silt
25 - 50% sand

Clay



50 - 100% clay
0 - 45% silt
0 - 45% sand



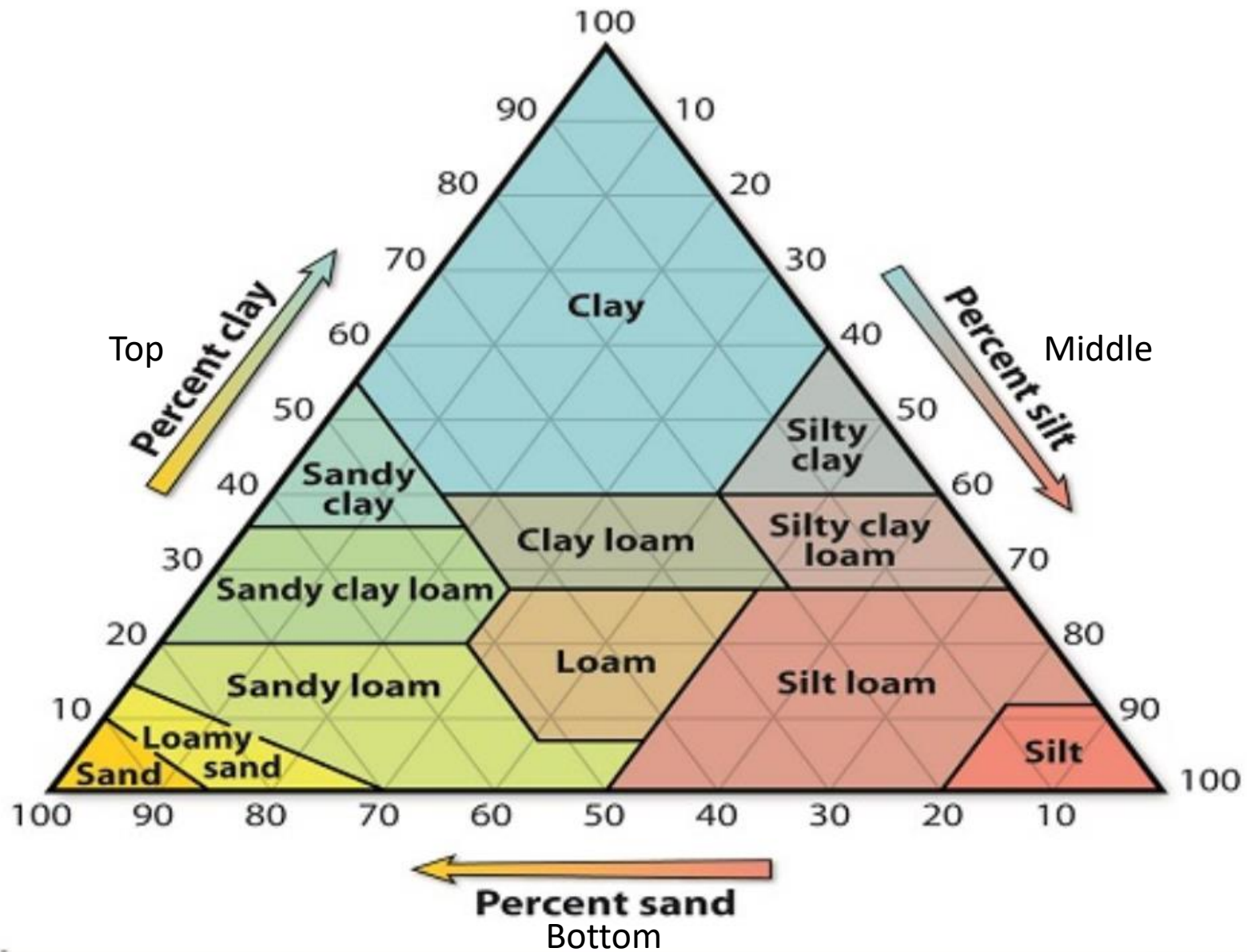
THE MASON JAR

SOIL TEXTURE TEST

What Kind of soil do you
REALLY HAVE?

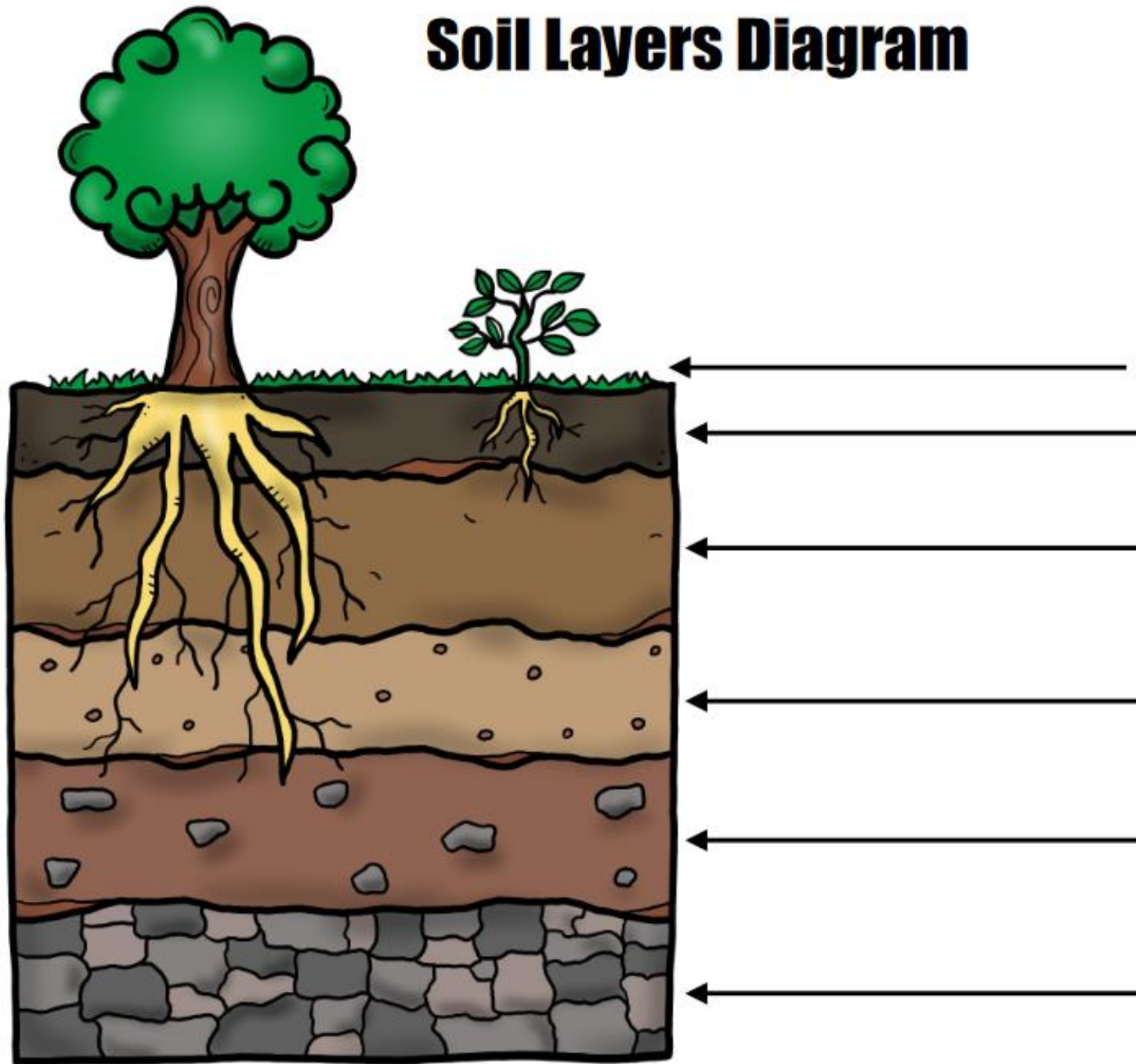


growitbuildit.com

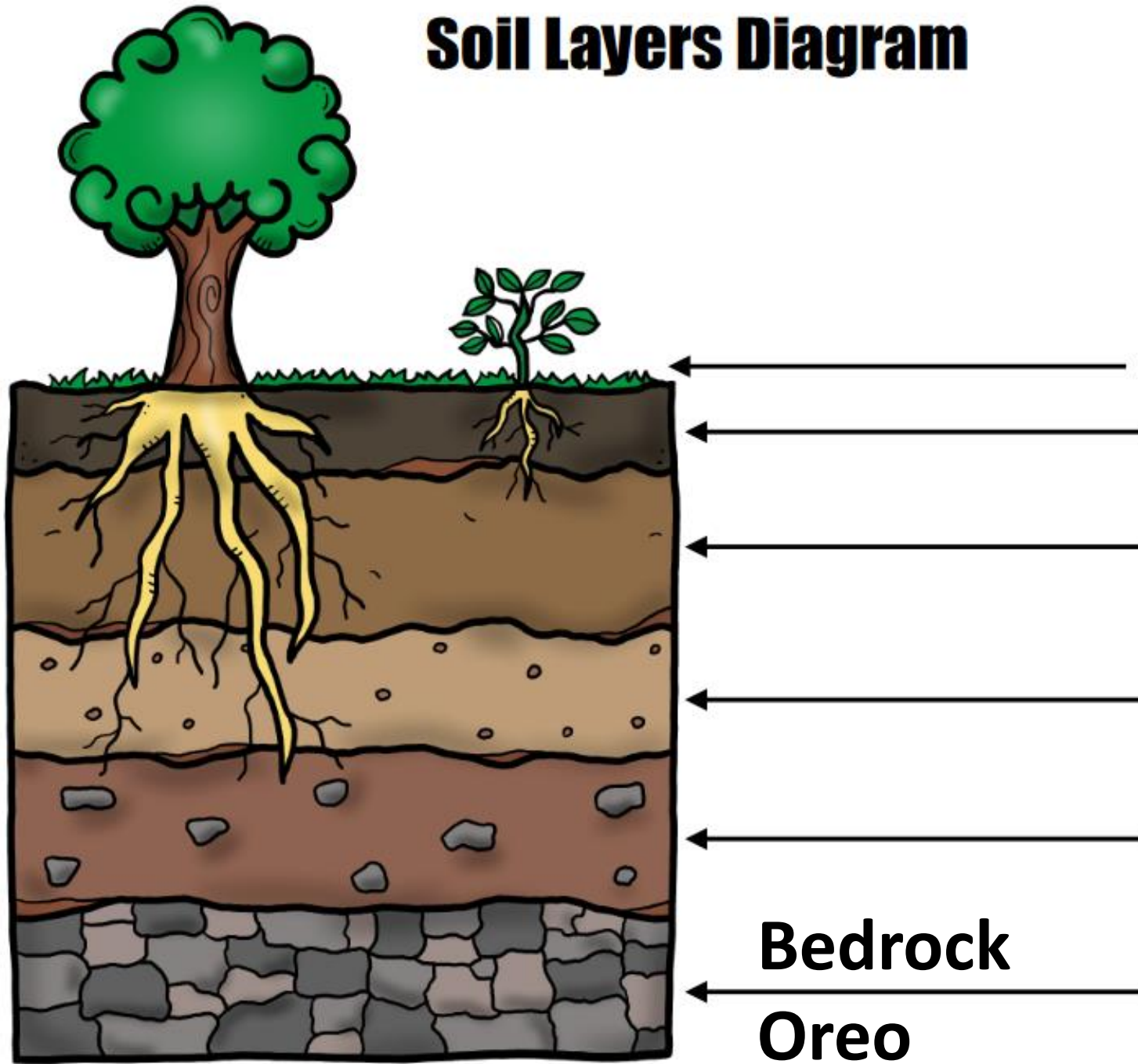


This is the textural triangle. If you know the percent clay (flat line) and percent sand or silt, you can draw lines into the triangle to figure out what textural category the soil belongs to.

Soil Layers Diagram



Soil Layers Diagram

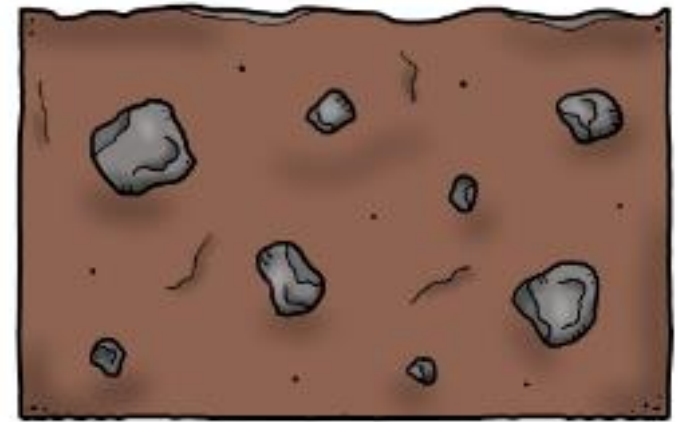
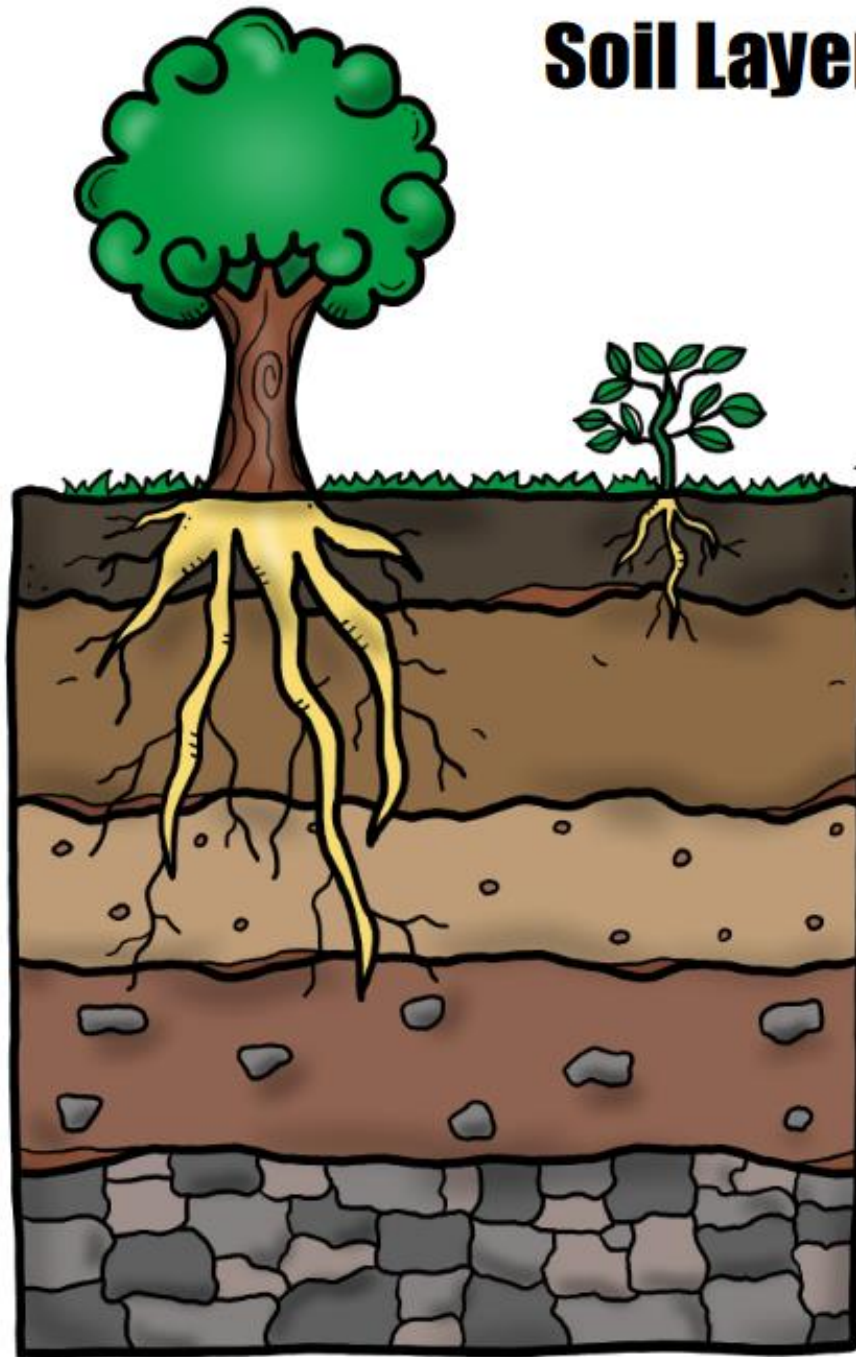


Bedrock

Oreo

R Horizon

Soil Layers Diagram



Parent Material - This layer is mostly rock fragments broken up from the bedrock. There is little to no organic material.

Parent Material

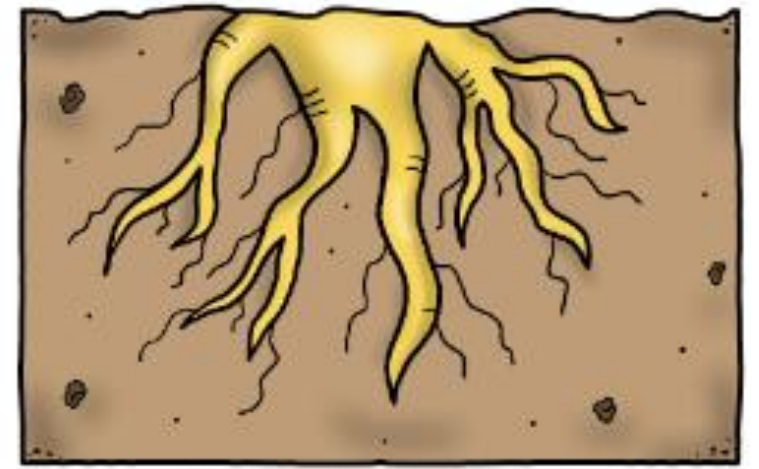
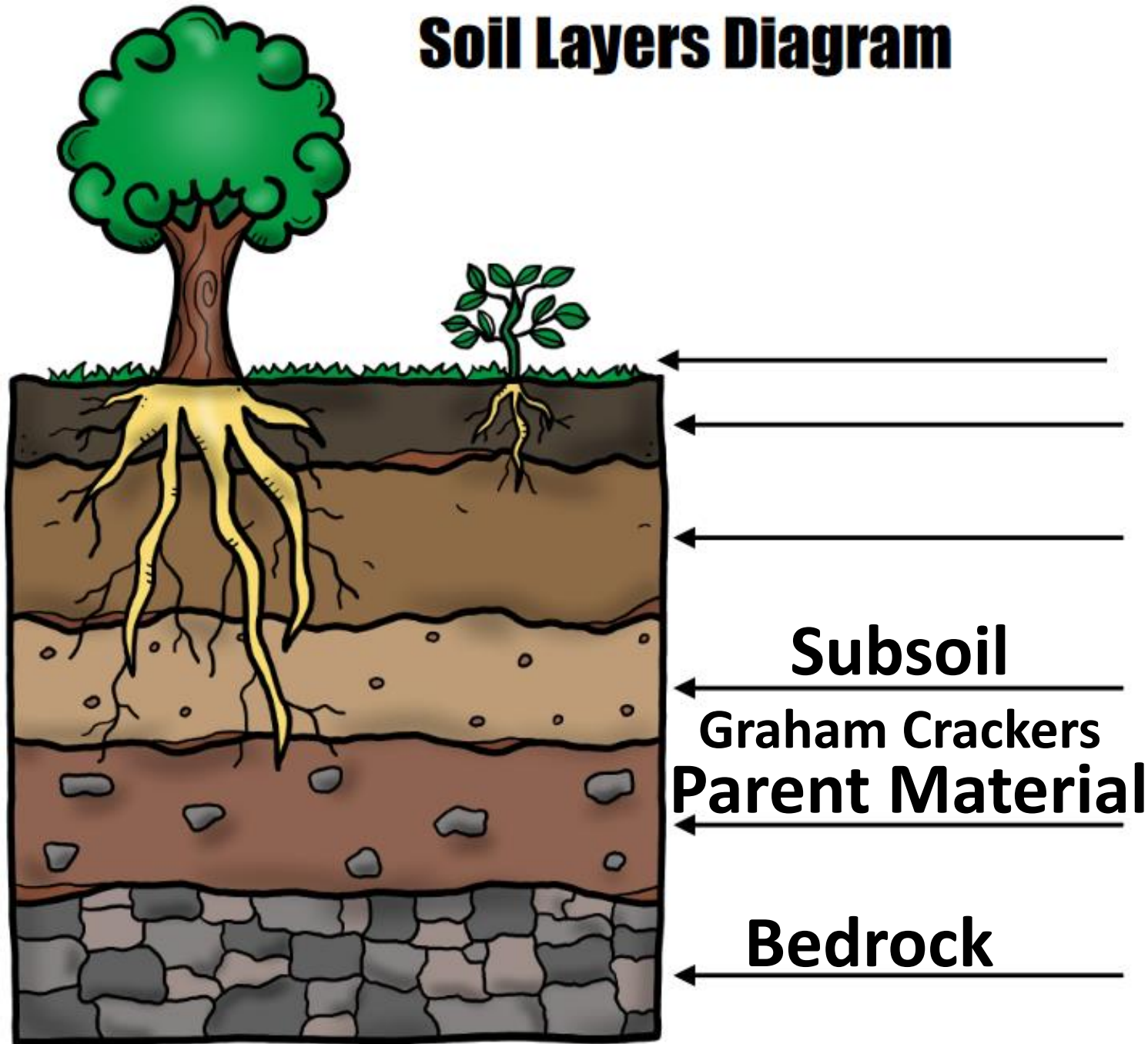
chips

Bedrock

C Horizon

R Horizon

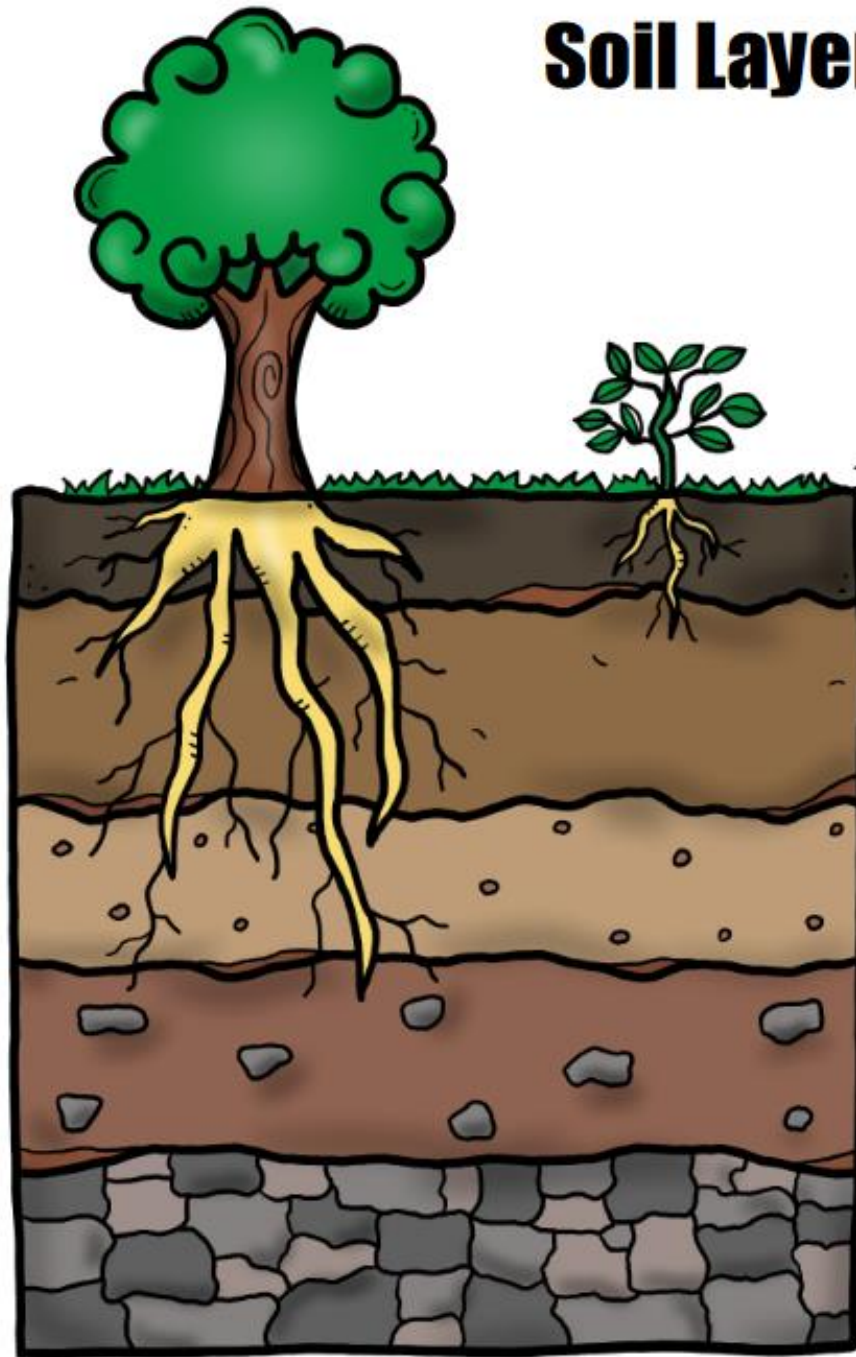
Soil Layers Diagram



B Horizon

Subsoil- This layer contains minerals, clay, sand and silt. There is much less organic material. Deep roots reach here.

Soil Layers Diagram



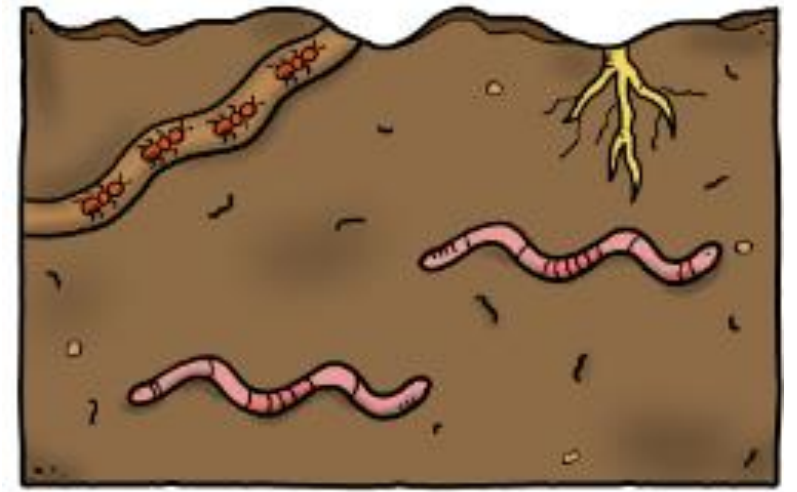
Topsoil

Pudding & gummy worm

Subsoil

Parent Material

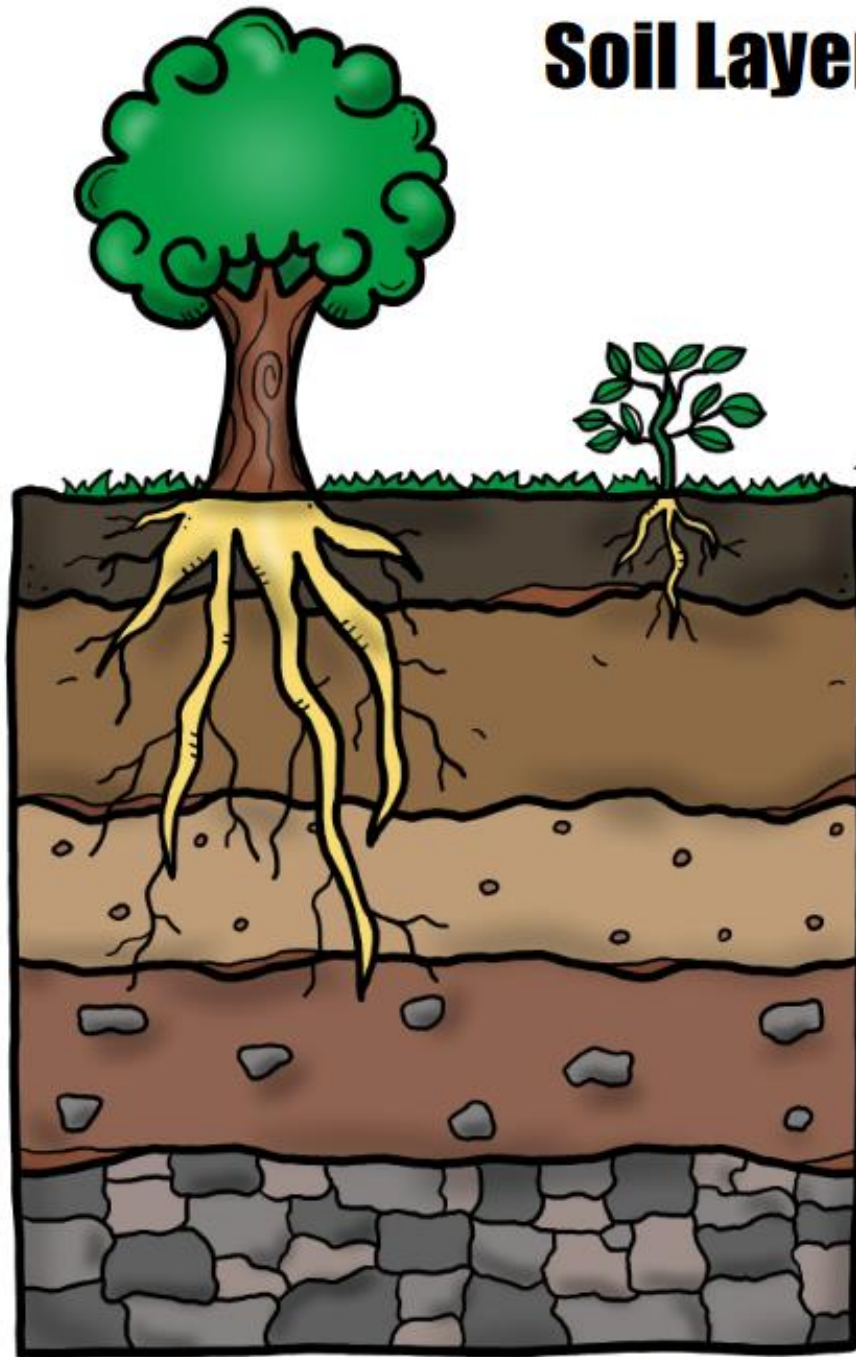
Bedrock



A Horizon

Top Soil- Minerals and decomposed organic matter make up this layer. You'll find most plant roots and insects here.

Soil Layers Diagram



Humus or Organic

Cookie Crumbs

Topsoil

Subsoil

Parent Material

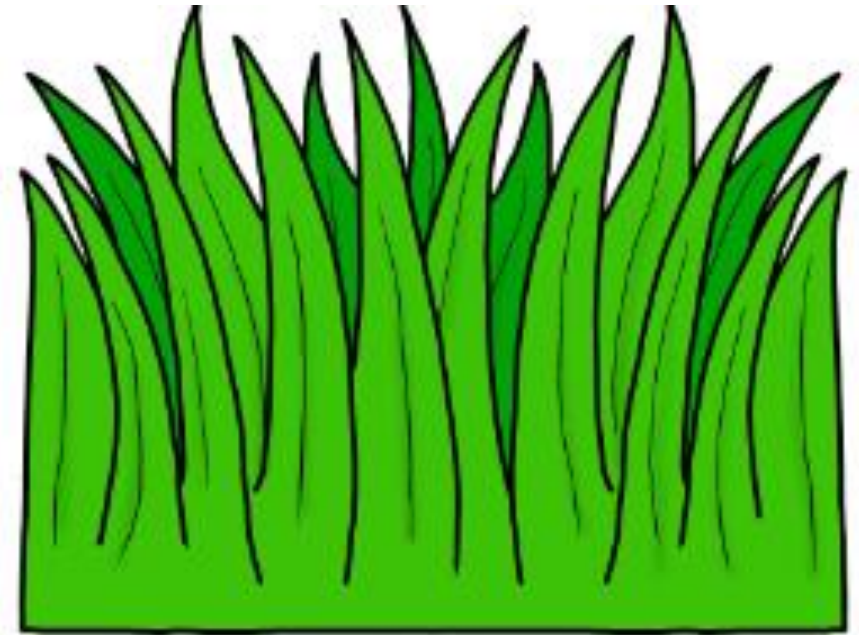
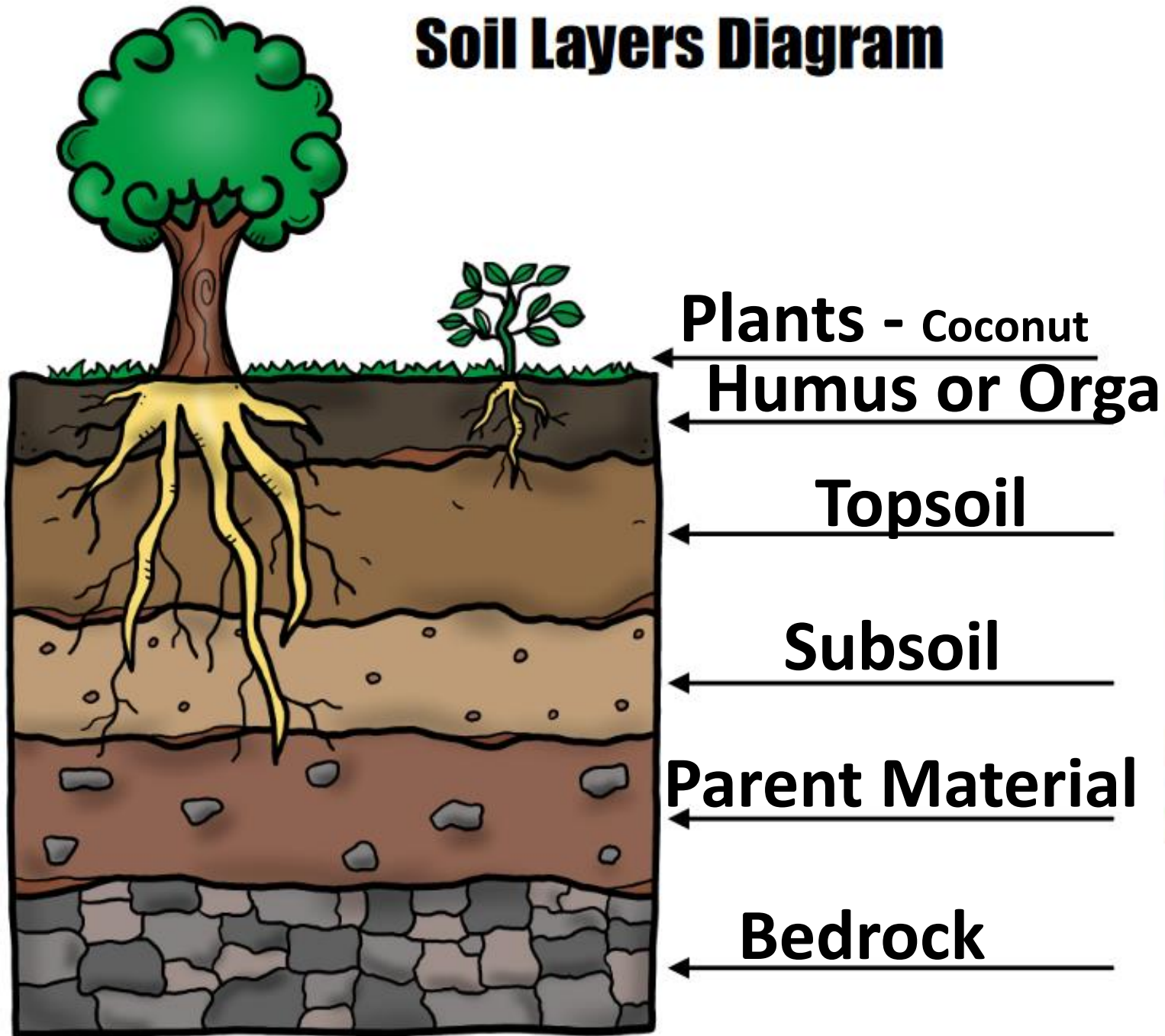
Bedrock



O Horizon

Humus- This layer is made of decomposing leaves, twigs and bugs. It covers the ground surface.

Soil Layers Diagram



Plants growing above the soil

Soil Layers Diagram

