

Fold and glue

CONCEPT

MUDDY
MATE

1

deposition



CONCEPT

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MATE

2

erosion



CONCEPT

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3

weathering



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CONCEPT

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4

CONCEPT

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MATE

5

CONCEPT

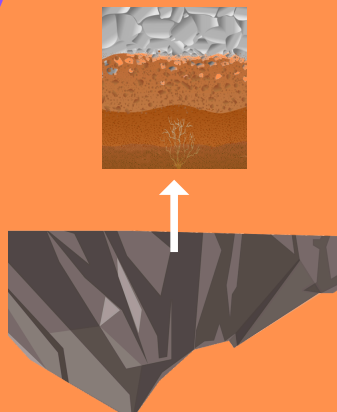
MUDDY
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6

biota



parent material



humus



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CONCEPT

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7

calcification

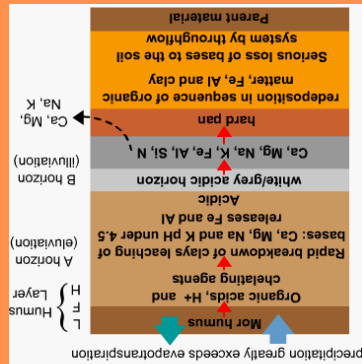


CONCEPT

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8

podzolization

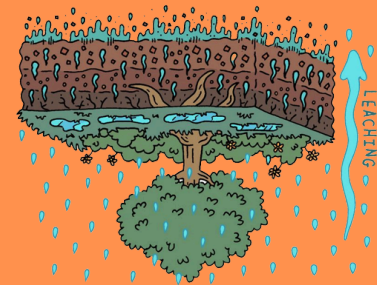


CONCEPT

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leaching



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CONCEPT

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10

CONCEPT

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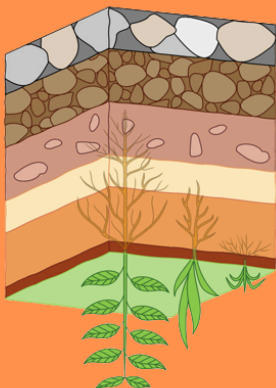
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CONCEPT

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12

soil horizons



soil taxonomy



gleization



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CONCEPT

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13

pedogenesis



CONCEPT

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14

soil structure

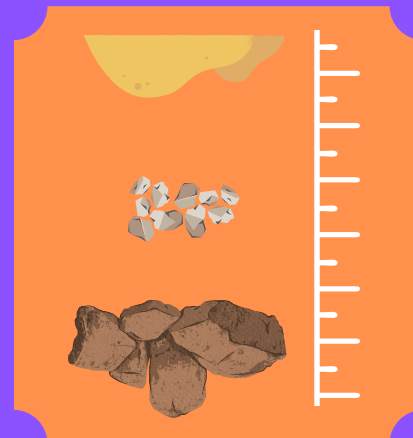


CONCEPT

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soil texture



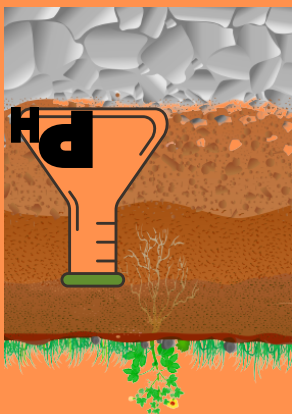
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soil acidity

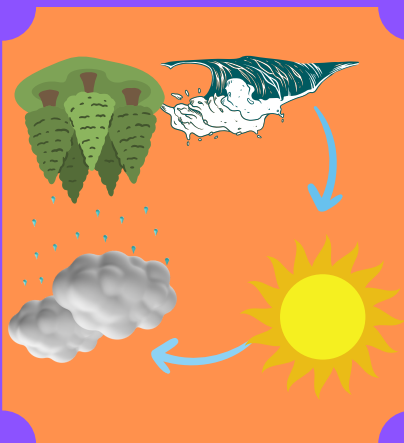


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biochemical cycling

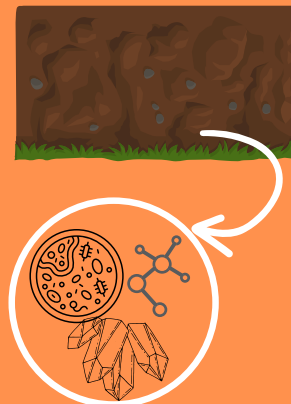


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soil composition



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19

climate



CONCEPT

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20

soil remediation



CONCEPT

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21

soil fertility



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22

human activities

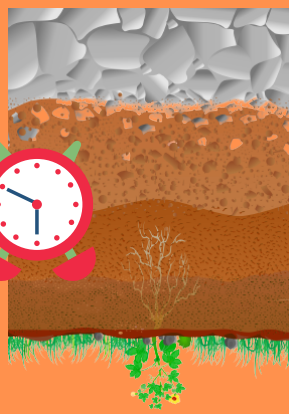


CONCEPT

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23

time



CONCEPT

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24

topography



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DEFINITION

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1

The process of
sediment being
laid down on the
ground or settling
in water.

DEFINITION

MUDDY MATE

2

The process by
which soil and
rock particles are
removed and
transported by
wind, water, or ice.

DEFINITION

MUDDY MATE

3

The breakdown of
rocks and minerals
into smaller
pieces by physical,
chemical or
biological
processes.

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DEFINITION

MUDDY MATE

4

The living
organisms (plants,
animals,
microorganisms)
present in soil that
contribute to soil
formation

DEFINITION

MUDDY MATE

5

The original rock
or sediment from
which a soil is
formed

DEFINITION

MUDDY MATE

6

The dark, organic
matter that forms
in soil as a result
of the
decomposition of
plant and animal
material.

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DEFINITION

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7

The process of soil formation in arid and semi-arid regions that results in the accumulation of calcium carbonate in the soil.

DEFINITION

MUDDY MATE

8

A dominant soil forming process, with organic acids leaching iron (Fe) and Al from surficial mineral soil layers and depositing them as organic Fe and Al complexes in lower mineral soil layers

DEFINITION

MUDDY MATE

9

The downward movement of dissolved mobile plant nutrients in the soil profile following percolating water such as rain or irrigation water

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DEFINITION

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10

The distinct layers
of soil in terms of
physical, chemical
and biological
characteristics

DEFINITION

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11

The system of soil
classification to
categorize soils
based on their
physical, and
chemical, and
biological
properties

DEFINITION

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12

The process of soil
formation in poorly
drained areas that
results in the
development of a
glei in the lower
part of the soil
profile

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DEFINITION

MUDDY MATE

13

The study of the
origin and
formation of soil.

DEFINITION

MUDDY MATE

14

The arrangement
of solids and pore
spaces within soil.

DEFINITION

MUDDY MATE

15

The proportion of
sand, silt and clay
sized particles
that make up the
mineral fraction of
the soil

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DEFINITION

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16

A condition in which the soil pH is lower than a neutral pH, which can affect nutrient availability, plant growth, and soil chemistry

DEFINITION

MUDDY MATE

17

The movement of chemical elements through the soil and other ecosystems, as they are taken up by plants, consumed by animals, and returned to the soil through decomposition.

DEFINITION

MUDDY MATE

18

The types and amounts of minerals, organic matter, and other materials that make up a particular soil type

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DEFINITION

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19

The long-term weather patterns in a region, which can affect soil formation through temperature, precipitation, and evaporation

DEFINITION

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20

The process of improving or restoring soil quality, often through the use of chemical, physical, or biological methods

DEFINITION

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21

The ability of soil to support plant growth, typically influenced by nutrient availability, soil structure, and other factors

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DEFINITION

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22

Deforestation,
Agriculture,
Ploughing,
capping and
covering, or
contamination

DEFINITION

**MUDDY
MATE**

23

A soil-forming
factor that is
neither a property
of the terrain nor a
source of external
stimulus.

DEFINITION

**MUDDY
MATE**

24

The physical features
of the land, such as
elevation, slope, and
aspect, which can
affect soil formation
through erosion and
sediment deposition