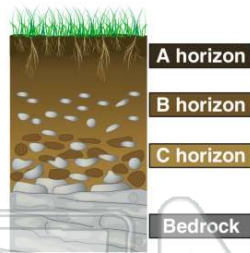




Name _____ Class _____ Date _____

1 The soil layer that contains **dissolved substances** and **clay** is _____.

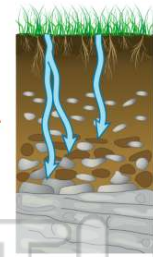
- A horizon A
- B horizon B
- C horizon C
- D bedrock



2 As **water moves down** through a soil horizon, it dissolves minerals and other substances from the upper layers and moves them downward.

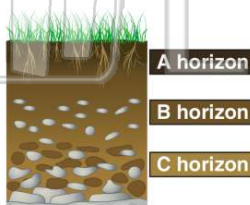
This process is called _____.

- A weathering
- B slumping
- C leaching
- D dissolving



3 The soil horizon that contains **partially broken up** bedrock and very **low** amount of **nutrients** is _____.

- A horizon A
- B horizon B
- C horizon C
- D bedrock



4 It is surprising to discover that in a **tropical** environment, the **topsoil** is very **thin**.

Why does this occur?

- A rich vegetation has unusually long life spans
- B high rainfall leaches away the topsoil
- C nutrient-rich topsoil is absorbed by the



5

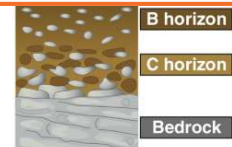


PREVIEW

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- B more humus and more bedrock material
- C less humus and less bedrock material
- D less humus and more bedrock material

- B predominantly in the subsoil, horizon B
- C predominantly in horizon C
- D deep in the bedrock



9 Soil is **important** for all of these reasons **except** _____.

- A it is a source of housing for many organisms
- B it stores tremendous amounts of water
- C it is often an important source of ores like iron ore (hematite)
- D it is a source of nutrients for plants, animals, and humans

10 In the 1930s, farmers in the Great Plains were devastated by a series of events that resulted in the **topsoil** literally being **blown away** by the wind in tremendous clouds of **dust**.

Which **factor** contributed to what historians call the **Great Dust Bowl**?

- A too much water
- B daylight savings time
- C widespread removal of plants and grasses
- D forest fires

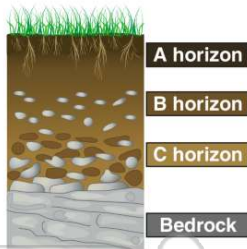




ANSWER KEY

The soil layer that contains **dissolved substances** and **clay** is _____.

- A horizon A
- B horizon B
- C horizon C
- D bedrock

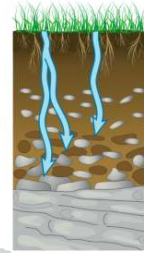


(b)

As **water moves down** through a soil horizon, it dissolves minerals and other substances from the upper layers and moves them downward.

This process is called _____.

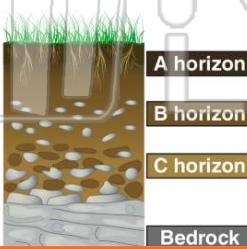
- A weathering
- B slumping
- C leaching
- D dissolving



(c)

The soil horizon that contains **partially broken up** bedrock and very **low** amount of **nutrients** is _____.

- A horizon A
- B horizon B
- C horizon C
- D bedrock



(c)

It is surprising to discover that in a **tropical** environment, the **topsoil** is very **thin**.

Why does this occur?

- A rich vegetation has unusually long life spans
- B high rainfall leaches away the topsoil
- C nutrient-rich topsoil is absorbed by the rich vegetation
- D high rainfall washes most of the topsoil away



(b)



PREVIEW

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- D less humus and more bedrock material

- C predominantly in horizon C
- D deep in the bedrock



Soil is **important** for all of these reasons **except** _____.

- A it is a source of housing for many organisms
- B it stores tremendous amounts of water
- C it is often an important source of ores like iron ore (hematite)
- D it is a source of nutrients for plants, animals, and humans

(c)

In the 1930s, farmers in the Great Plains were devastated by a series of events that resulted in the **topsoil** literally being **blown away** by the wind in tremendous clouds of **dust**. Which **factor** contributed to what historians call the **Great Dust Bowl**?

- A too much water
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- C widespread removal of plants and grasses
- D forest fires



(c)