



Name _____ Class _____ Date _____

1 The group of practices used to **preserve topsoil** and ensure its long-term use is called _____.

- A soil conservation
- B crop rotation
- C terracing
- D contour plowing

2 Consider this picture of New York City. Identify one **problem** that is created by **covering the soil horizons** with concrete, asphalt, and buildings.



- A It is windier in the city.
- B City dwellers suffer from a lack of sunlight.
- C Managing runoff water from rain storms is more challenging.
- D Pollution naturally increases.

3 What is happening in this picture and **why**?



- A Water is being absorbed by the soil.

4 Which of the following **never** make their **home** in a **soil horizon**



5



PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

7

- A elements, such as iron, combine with oxygen to form an oxide
- B precipitation containing acid eats away at rocks and metals
- C chemical weathering of rock occurs when rocks bang into each other
- D mechanical weathering of rock occurs when rocks bang into each other

- A true; roots have a strong acid in their tips that dissolves rock
- B false; rocks are covered in a strong acid to ward off roots and trees
- C true; as roots and tree trunks grow larger, they can push rocks apart
- D false; rock is simply too hard to be moved by any plant



9

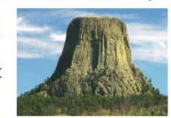
The Greek word *pedon* means *soil*. There are two types of soil that are named based on their chemical compositions. They are **pedocal** and **pedalfer**.

These two names mean _____.

- A calcium rich soil and phosphate rich soil
- B calcium rich soil and aluminum-iron rich soil
- C phosphate rich soil and nitrate rich soil
- D phosphate rich soil and aluminum-iron rich soil

10

This geologic feature is known as Devil's Tower. It is made of the rock basalt and is the **hardened center**, or neck, of a **volcano**. **Why does this remain when the rest of the volcano has been eroded away?**



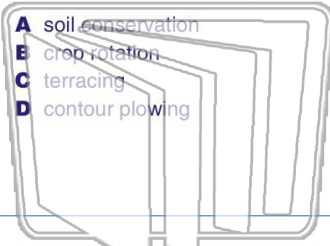
- A Weathering stopped, leaving this remnant in place.
- B Basalt is harder than the rest of the volcano that has eroded away.
- C The basalt is softer, so it didn't erode as quickly.
- D A climate change caused weathering rates to slow down.



Name _____ Class _____ Date _____

1 The group of practices used to **preserve topsoil** and ensure its long-term use is called _____.

- A soil conservation
- B crop rotation
- C terracing
- D contour plowing



2 Consider this picture of New York City. Identify one **problem** that is created by **covering the soil horizons** with concrete, asphalt, and buildings.



- A It is windier in the city.
- B City dwellers suffer from a lack of sunlight.
- C Managing runoff water from rain storms is more challenging.
- D Pollution naturally increases.

3 What is happening in this picture and **why**?



- A Water is being absorbed by the soil.

4 Which of the following **never** make their **home** in a **soil horizon**



5

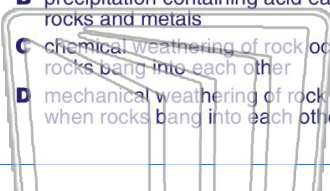


PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

7

- A elements, such as iron, combine with oxygen to form an oxide
- B precipitation containing acid eats away at rocks and metals
- C chemical weathering of rock occurs when rocks bang into each other
- D mechanical weathering of rock occurs when rocks bang into each other



- A true; roots have a strong acid in their tips that dissolves rock
- B false; rocks are covered in a strong acid to ward off roots and trees
- C true; as roots and tree trunks grow larger, they can push rocks apart
- D false; rock is simply too hard to be moved by any plant



9

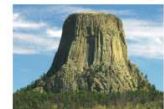
The Greek word *pedon* means *soil*. There are two types of soil that are named based on their chemical compositions. They are **pedocal** and **pedalfer**.

These two names mean _____.

- A calcium rich soil and phosphate rich soil
- B calcium rich soil and aluminum-iron rich soil
- C phosphate rich soil and nitrate rich soil
- D phosphate rich soil and aluminum-iron rich soil

10

This geologic feature is known as Devil's Tower. It is made of the rock basalt and is the **hardened center**, or neck, of a **volcano**. **Why does this remain when the rest of the volcano has been eroded away?**



- A Weathering stopped, leaving this remnant in place.
- B Basalt is harder than the rest of the volcano that has eroded away.
- C The basalt is softer, so it didn't erode as quickly.
- D A climate change caused weathering rates to slow down.