



Weathering of Rocks & Soil Formation

Name _____ Class _____ Date _____

1 Which of the following is an example of the **chemical weathering** of rock?
Circle the answer letter.

- a. freezing and thawing
- b. acid rain
- c. blowing sand



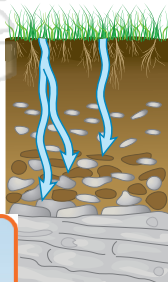
6 Fill in the blank.
Some rocks and minerals **weather faster** than others, such as limestone weathering faster than granite or basalt. This is known as _____.



2 Which of the following is an example of the **mechanical weathering** of rock?
a. burrowing animals
b. acid rain
c. oxidation



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



3 Fill in the blank with the correct word from the box.
a. erosion
b. leaching
c. weathering
d. sedimentation
e. weathering
f. weathering
g. weathering
h. weathering
i. weathering
j. weathering
k. weathering
l. weathering
m. weathering
n. weathering
o. weathering
p. weathering
q. weathering
r. weathering
s. weathering
t. weathering
u. weathering
v. weathering
w. weathering
x. weathering
y. weathering
z. weathering



PREVIEW

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water
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preserve

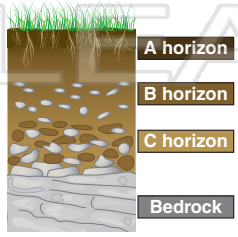
4 In _____, oxygen to form an oxide
b. precipitation containing acid eats away at rocks and metals
c. mechanical weathering of rock occurs when rocks bang into each other

_____ **topsoil** and ensure its long-term use is called _____.

- a. terracing
- b. crop rotation
- c. soil conservation



5 Name the **soil horizon** that contains partially broken up **bedrock** and very low amount of **nutrients**.



10 What is the part of soil composed of **decayed biological matter** called?
residual soil **bedrock** **humus**





Weathering & Soil Formation - Answer Key

Name _____ Class _____ Date _____

1 Which of the following is an example of the **chemical weathering** of rock?
Circle the answer letter.

- a. freezing and thawing
- b. acid rain
- c. blowing sand



6 Fill in the blank.
Some rocks and minerals **weather faster** than others, such as limestone weathering faster than granite or basalt. This is known as **differential weathering**.

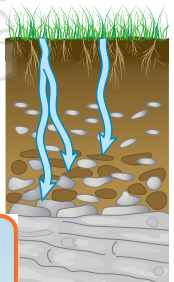


2 Which of the following is an example of the **mechanical weathering** of rock?

- a. burrowing animals
- b. acid rain
- c. oxidation



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



3 Fill in the blank with the correct word from the box.



oxidation

erosion

water organisms

preserve

4 In farming, the use of **terracing** helps to prevent soil erosion on steep slopes.

- a. precipitation containing acid eats away at rocks and metals
- b. mechanical weathering of rock occurs when rocks bang into each other
- c. oxygen to form an oxide

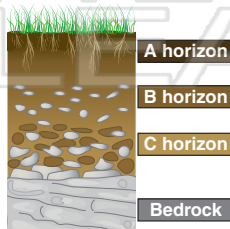
9 **topsoil** and ensure its long-term use is called **soil conservation**.

- a. terracing
- b. crop rotation
- c. soil conservation



5 Name the **soil horizon** that contains partially broken up bedrock and very low amount of nutrients.

horizon C



10 What is the part of soil composed of **decayed biological matter** called?

residual soil bedrock

humus

