



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 Tides are the swelling and shrinking of the ocean depths near the shore due to the moon's gravitational pull on the oceans. On the other hand, energy that moves the **surface** of a body of water causes **waves**. What is the energy source that creates waves?

A the rotation of the earth  
B the wind  
C the gravitational pull of the earth  
D movement of tectonic plates



2 Which of the following are **erosional** features created by waves?

A spits  
B barrier islands  
C sea stacks  
D sandbars



3 An erosional feature **created by the waves**, especially by waves generated during powerful storms, which consists of **hard rock cliffs** which stick out from the mainland into the ocean are called \_\_\_\_\_.

A headlands  
B sea caves  
C wave-cut terraces  
D \_\_\_\_\_



4 When a **sea cave** is cut **completely** through the rock, the erosional feature created is called a \_\_\_\_\_.

A headland  
B sea cave  
C sea arch  
D sea stack



5



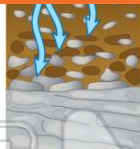
## PREVIEW

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7

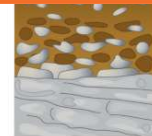
This process is called \_\_\_\_\_.

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



is \_\_\_\_\_.

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



C horizon

Bedrock

9

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 into streams



10

Soil formation occurs very **slowly** in \_\_\_\_\_.

- A tropical climates
- B temperate climates
- C arctic climates
- D none of the above





## ANSWER KEY

**Tides** are the swelling and shrinking of the ocean depths near the shore due to the moon's gravitational pull on the oceans. On the other hand, energy that moves the **surface** of a body of water causes **waves**. **What is the energy source that creates waves?**



- A** the rotation of the earth
- B** the wind
- C** the gravitational pull of the earth
- D** movement of tectonic plates

(b)

Which of the following are **erosional** features created by waves?



- A** spits
- B** barrier islands
- C** sea stacks
- D** sandbars

(c)

An erosional feature **created by the waves**, especially by waves generated during powerful storms, which consists of **hard rock cliffs** which stick out from the mainland into the ocean are called \_\_\_\_\_.



- A** headlands
- B** sea caves
- C** wave-cut terraces
- D** sea arches

(a)

When a **sea cave** is cut **completely** through the rock, the erosional feature created is called a \_\_\_\_\_.



- A** headland
- B** sea cave
- C** sea arch
- D** sea stack

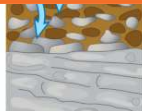
(c)



## PREVIEW

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



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



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
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(b)

Soil formation occurs very **slowly** in \_\_\_\_\_.

- A** tropical climates
- B** temperate climates
- C** arctic climates
- D** none of the above



(c)