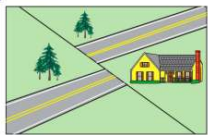




Name _____ Class _____ Date _____


1 The diagram below shows land features that have been disrupted by an **earthquake**.

Which type of **crustal movement** most likely caused the displacement of features in this area?




- A vertical lifting of surface rock
- B folding of surface rock
- C down-warping of the crust
- D movement along a transform fault

2 Compared to Earth's crust, **Earth's core** is believed to be




- A less dense, cooler, and composed of more iron
- B less dense, hotter, and composed of less iron
- C more dense, hotter, and composed of more iron
- D more dense, cooler, and composed of less iron

3 During a rainfall, **surface runoff** will probably be **greatest** in an area that has a



- A steep slope and a clay-covered surface
- B steep slope and a gravel-covered surface
- C gentle slope and a grass-covered surface

4 The long, sandy islands along the south shore of Long Island are composed mostly of sand and rounded pebbles arranged in sorted layers. The **agent of erosion** that most likely **shaped and sorted** the sand and pebbles while **transporting** them to their island location was



- A glaciers
- B landlides

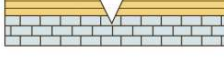
5



PREVIEW

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6 ... into bedrock?




- A surface winds
- B running water
- C glacial ice
- D ocean waves

... waves in Earth's interior


- B well drillings from Earth's mantle and core
- C chemical changes in exposed and weathered metamorphic rocks
- D comparisons between Moon rocks and Earth rocks

9 Which activity demonstrates **chemical weathering**?



- A freezing of water in the cracks of a sandstone sidewalk
- B abrasion of a streambed by tumbling rocks
- C grinding of talc into a powder
- D dissolving of limestone by acid rain

10 Andrija Mohorovicic discovered the interface between the crust and the mantle that is now named for him. His discovery of the "**Moho**" was based on **analysis of**



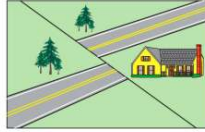
- A landscape boundaries
- B continental coastlines
- C erosional surfaces
- D seismic waves



ANSWER KEY

The diagram below shows land features that have been disrupted by an **earthquake**.

Which type of **crustal movement** most likely caused the displacement of features in this area?



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(d)

Compared to Earth's crust, **Earth's core** is believed to be



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(c)

During a rainfall, **surface runoff** will probably be **greatest** in an area that has a



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(a)

The long, sandy islands along the south shore of Long Island are composed mostly of sand and rounded pebbles arranged in sorted layers. The **agent of erosion** that most likely **shaped and sorted** the sand and pebbles while **transporting** them to their island location was



- A glaciers
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- C wind

(d)

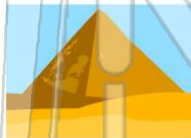


PREVIEW

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- A surface winds
- B running water
- C glacial ice
- D ocean waves

Which activity demonstrates **chemical weathering**?



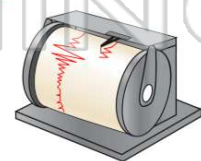
- A freezing of water in the cracks of a sandstone sidewalk
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- C grinding of talc into a powder
- D dissolving of limestone by acid rain

(d)

- C chemical changes in exposed and weathered metamorphic rocks
- D comparisons between Moon rocks and Earth rocks

Andrija Mohorovicic discovered the interface between the crust and the mantle that is now named for him. His **discovery of the "Moho"** was based on **analysis of**

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(d)