

## Study Island

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Generation Date: **03/28/2020**

Generated By: **Erica George**

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1. The beaches found along the water in Pennsylvania are covered in sand. Why is there more sand at the beach than other locations?

- ☐ **A.** Continental plates ground together forming sand.
  - ☐ **B.** Waves deposit sand along the shorelines.
  - ☐ **C.** Glaciers always deposited sand on the continental edges.
  - ☐ **D.** Groundwater forces sand towards the Earth's surface at shorelines.
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2. The glaciers in the Ice Age traveled through Pennsylvania carving away rock and forming hollows in the Earth.

Which of the following Earth structures were formed by glaciers?

- ☐ **A.** caves
  - ☐ **B.** sinkholes
  - ☐ **C.** lakes
  - ☐ **D.** beaches
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3. A friend is explaining where his house is and uses his mitten to explain that his house is on a piece of land that sticks out from the main land.



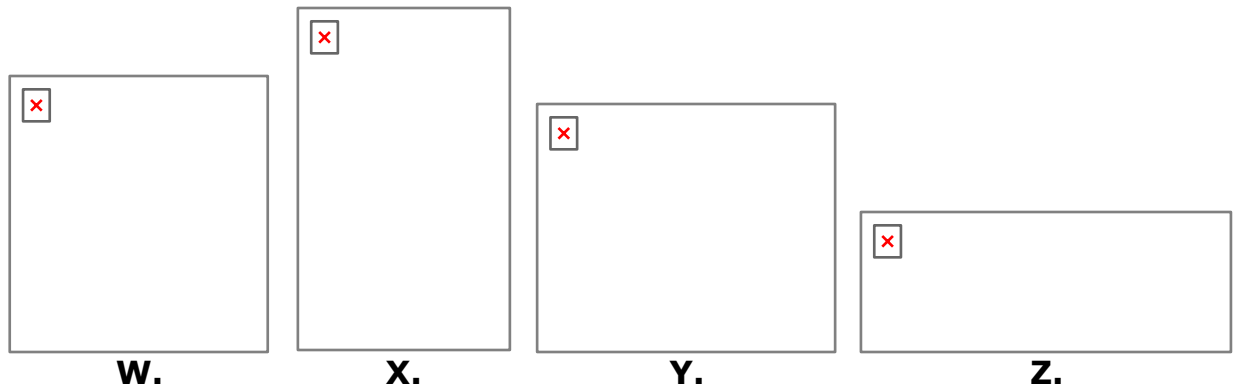
Which feature is he modeling using his mitten?

- ☐ A. peninsula
  - ☐ B. watershed
  - ☐ C. mountain
  - ☐ D. lake
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4. Which of the following statements about the relationship between rocks and soil is correct?

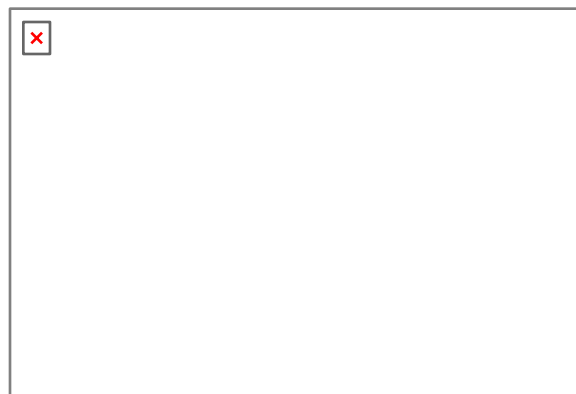
- ☐ A. Rocks and soil have nothing to do with each other.
  - ☐ B. Soil is made up of small rocks and organic material.
  - ☐ C. Soil and rocks are made up of all the same parts, they are just different sizes.
  - ☐ D. Rocks are made up of compressed soil and organic material.
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5. Todd would like to use a geometric figure to model a mountain. Which of the following geometric figures would most accurately model the shape of a mountain?



- ☒ A. X
  - ☒ B. W
  - ☒ C. Z
  - ☒ D. Y
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6. In the picture below, the leaves are falling off of the tree.



When the leaves of trees fall on the ground, they decompose and break into many tiny pieces. What happens to most of these pieces?

- ☒ A. They grow into new trees.
  - ☒ B. They become part of the soil.
  - ☒ C. They become large rocks.
  - ☒ D. all of these
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7. The newspaper reports that in a farmer's field the groundwater drained away and the ground crumbled inward taking a large rock into the ground.

What Earth feature is the newspaper describing?

- ☐ A. beach
  - ☐ B. river
  - ☐ C. sinkhole
  - ☐ D. valley
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8. Which landform is shown in the picture?



- ☐ A. plateau
  - ☐ B. mountain
  - ☐ C. lake
  - ☐ D. island
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9. Which of the following contributes to the formation of soil?

- ☐ A. breakdown of animal wastes
  - ☐ B. weathering of rock into small pieces
  - ☐ C. breakdown of dead plant material
  - ☐ D. all of these
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10. Large natural lakes are found all over Pennsylvania, but not in Texas. Why would you expect that there are more lakes in Pennsylvania?

- ☐ A. Texas was not covered with Ice Age glaciers like Pennsylvania.
  - ☐ B. All the sand and dirt was washed from states like Pennsylvania into Texas.
  - ☐ C. There are no watersheds in Texas.
  - ☐ D. Pennsylvania has more coast line than Texas.
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