

Name: _____

Date: _____

1. When an area of Earth's surface suddenly moves, a seismograph draws wavy lines. Which of the following MOST LIKELY happened?

- A. a volcanic eruption
- B. a thunderstorm
- C. a nuclear explosion
- D. an earthquake

2. Why are the rocks and pebbles found in riverbeds usually smooth?

- A. The rocks are very old.
- B. Animals in the river keep rubbing against the rocks.
- C. Rivers only flow where rocks are smooth.
- D. The rocks are worn smooth by rubbing against other rocks.

3. In which state would an earthquake MOST LIKELY occur?

- A. Kentucky
- B. Georgia
- C. California
- D. Oklahoma

4. Mr. Gramza owns a large farm in southwestern Georgia. This year, he plans to leave several fields fallow (without crops). What should Mr. Gramza do to prevent soil erosion on the empty fields?

- A. Plant grass to hold the soil.
- B. Water the empty fields regularly.
- C. Fertilize the soil throughout the growing season.
- D. Plow the soil deeply and regularly.

5. Mount Arenal, a volcano in Costa Rica, is erupting. Heat is being released during the eruption. The source of the heat is

- A. the Sun.
- B. pools of underground water.
- C. deep within Earth.
- D. decaying plants and animals.

6. When volcanoes erupt, they overflow with

- A. molten lava.
- B. oil.
- C. hot water.
- D. clay.

7. What hard-shelled ocean creature attaches itself to rocks, piers, large fish, and other underwater objects?

- A. plankton
 - B. coral
 - C. barnacle
 - D. algae
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8. Which statement describes a volcano erupting?

- A. Glacier materials are moved by gravity.
 - B. Magma is forced out of an opening in Earth's crust.
 - C. Pressure in Earth's crust causes layers of rock to slide.
 - D. Pressure in Earth's crust becomes so great that the layers of rock buckle and fold.
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9.

Which is an example of a seismological study?

- A. comparing the North Atlantic current to currents in the Pacific
 - B. evaluation of sample images of the Northwestern Pacific mantle
 - C. researching the geological history of Antarctic plant life
 - D. examination of surface features in tornado alley
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10.

Which of these is an example of a storm drain management process?

- A. training marine life to detect clogged drains
- B. monitoring fuel production to reduce emissions
- C. removing debris from storm drain structures
- D. clearing airborne pathogens from manufacturing facilities

Answer Key

1. D) an earthquake
2. D) The rocks are worn smooth by rubbing against other rocks.
3. C) California
4. A) Plant grass to hold the soil.
5. C) deep within Earth.
6. A) molten lava.
7. C) barnacle
8. B) Magma is forced out of an opening in Earth's crust.
9. B) evaluation of sample images of the Northwestern Pacific mantle
10. C) removing debris from storm drain structures