

Name: _____

Date: _____

1. Which human activity does NOT help control water runoff?

- A. contour plowing
- B. planting crops
- C. building flood control dams
- D. paving with asphalt

2. What is a common cause of mudflows?

- A. strong winds
- B. extreme cold
- C. extreme heat
- D. heavy rains

3. In which of the following areas would soil erosion MOST LIKELY occur if they received the same amount of rainfall?

- A. a forest
- B. flat agricultural lands
- C. agricultural lands on steep slopes
- D. restored prairies

4. Where does most eroded soil end up?

- A. in new agricultural lands
- B. in the desert
- C. in the sediment of rivers
- D. in rock slides

5. Which conditions are necessary for dust storms to occur?

- A. wet, humid conditions
- B. cold, cloudy conditions
- C. dry, windy conditions
- D. hot, moist conditions

6. Do earthquakes occur underwater?

- A. No, earthquakes have to occur on land.
- B. Yes, and they can cause huge tidal waves to occur.
- C. No, only volcanoes occur underwater.
- D. Yes, but they have no effect on the ocean waters.

7. How were the Hawaiian islands formed?

- A. by an earthquake
 - B. by volcanoes
 - C. by tidal waves
 - D. by wind erosion
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8. Which is NOT an effect of sewage put into the ocean?

- A. growth of bacteria
 - B. growth of algae
 - C. growth of coral
 - D. death of marine life
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9. The natural process of rocks gradually breaking up and being worn away over time is known as

- A. weathering.
 - B. cementing.
 - C. sedimentation.
 - D. melting.
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10. A moving portion of Earth's crust and upper mantle is called a

- A. fault.
 - B. fold.
 - C. plate.
 - D. ridge.
-

11. What causes earthquakes?

- A. energy being released when crustal plates move
 - B. energy from a hurricane or tornado
 - C. energy that builds up inside a volcanic mountain
 - D. energy being released when erosion occurs
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12. Which does NOT cause erosion?

- A. water
 - B. sunlight
 - C. wind
 - D. ice
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13. An extinct volcano is one that

- A. erupts only once.
 - B. erupts once every 100 years.
 - C. is expected to erupt soon.
 - D. has not erupted in many years.
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14. Your teacher tells you to bring an item to class that shows evidence of erosion. Which of the following would be the BEST to bring?

- A. a piece of lava from a volcanic area
 - B. a crystal from the inside of a geode
 - C. a piece of slate from a slate quarry
 - D. a round rock from a streambed
-

15. Water inside a rock crevice can split it apart when the temperature drops because

- A. cold water dissolves rock.
 - B. water expands when it freezes.
 - C. water causes the growth of plant roots.
 - D. the cold makes the rock very brittle.
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16. A volcanic eruption eventually produces the mountain called a volcano because

- A. the crust expands due to the heat.
 - B. the magma pressure lifts up the crust.
 - C. the lava and ash collect.
 - D. the plate motion folds the crust.
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17. 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
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18. 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.
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19. In which state would an earthquake MOST LIKELY occur?

- A. Kentucky
 - B. Georgia
 - C. California
 - D. Oklahoma
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20. Twice a day, the ocean level at the coast rises and falls. These ocean level changes are called

- A. currents.
- B. waves.
- C. undertow.
- D. tides.

Answer Key

1. D) paving with asphalt
2. D) heavy rains
3. C) agricultural lands on steep slopes
4. C) in the sediment of rivers
5. C) dry, windy conditions
6. B) Yes, and they can cause huge tidal waves to occur.
7. B) by volcanoes
8. C) growth of coral
9. A) weathering.
10. C) plate.
11. A) energy being released when crustal plates move
12. B) sunlight
13. D) has not erupted in many years.
14. D) a round rock from a streambed
15. B) water expands when it freezes.
16. C) the lava and ash collect.
17. D) an earthquake
18. D) The rocks are worn smooth by rubbing against other rocks.
19. C) California
20. D) tides.