

Brainpop—Ocean Floor

Name:

Period:

Watch the Brainpop about the ocean floor, then answer the questions below.

_____ 1. Why is much of the ocean floor so difficult to see?

- a. water distorts our view of the ocean floor
- b. sunlight cannot reach that far down
- c. the ocean floor is buried under ash from volcanic eruptions
- d. the ocean floor is covered in seaweed and other forms of plant life

_____ 2. Where might you find a continental shelf?

- a. a few dozen kilometers off the coast of California
- b. ten kilometers off the coast of Florida
- c. in the exact center of the Pacific Ocean
- d. where the Gulf of Mexico meets the shore

_____ 3. A continental slope is most similar to which land feature?

- a. a valley
- b. a mountain
- c. a beach
- d. a cliff

_____ 4. An abyssal plain is most similar to which land feature?

- a. a mountain
- b. a prairie
- c. a valley
- d. a canyon

_____ 5. In the movie, Tim says that ocean currents deposit sediment on the ocean floor. What is sediment? Choose the best answer.

- a. seaweed
- b. the bodies of dead ocean creatures
- c. rocks, dirt, sand, and pieces of organic material
- d. a type of coral

_____ 6. What part of the Earth makes up the seafloor?

- a. the crust
- b. the mantle
- c. the core
- d. the sand

_____ 7. How are divergent boundaries between tectonic plates different from convergent boundaries?

- a. plates move north at divergent boundaries, and south at convergent boundaries
- b. plates move downward at divergent boundaries, and upward at a convergent boundaries
- c. plates move apart at divergent boundaries, and come together at a convergent boundaries
- d. plates form trenches at divergent boundaries, and mountains at convergent boundaries

_____ 8. Where might you find an undersea volcano?

- a. in a mid-ocean ridge
- b. in an abyssal plain
- c. in a trench
- d. on a continental shelf

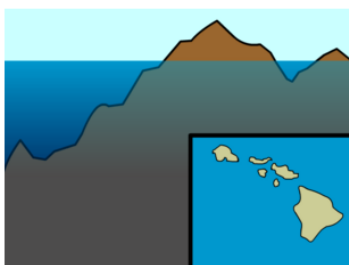
_____ 9. Where are you most likely to find a trench?

- a. at a convergent boundary between tectonic plates
- b. at a divergent boundary between tectonic plates
- c. at a subductive boundary between tectonic plates
- d. At a transform boundary between tectonic plates

_____ 10. Place the following events in sequence:

- a volcanic island emerges
- a seamount is formed
- a volcano begins erupting

- a. a seamount is formed - a volcanic island emerges - a volcano begins erupting
- b. a seamount is formed - a volcano begins erupting - a volcanic island emerges
- c. a volcano begins erupting - a volcanic island emerges - a seamount is formed
- d. a volcano begins erupting - a seamount is formed - a volcanic island emerges



The image to the left from the cartoon shows the islands of the state of Hawaii. If these islands are not part of a continental shelf or slope, how did they form?

Work: 5 points, Assessment: 2 points