



Earth's Changing Surface

Name: _____

Date: _____

Grade: Grade 4

Part A: Multiple Choice

Circle the best answer for each question.

1. Which type of plate boundary is MOST likely to build a tall mountain range on a continent?

- A) Two plates pushing together
- B) Two plates pulling apart
- C) Two plates sliding past each other
- D) Two plates standing perfectly still

2. Why are scientists confident that Earth's surface has changed over time?

- A) They find ocean fossils on mountaintops
- B) Mountains are always perfectly smooth
- C) Rocks never change once they form
- D) Rivers only flow uphill

3. Which list shows ONLY fast changes to Earth's surface?

- A) Earthquake, volcanic eruption, landslide
- B) Weathering, erosion, deposition
- C) Glacier, fossil, canyon
- D) Sediment, delta, rock layer

4. Two plates pull apart under the ocean. What is MOST likely to form there?

- A) A mid-ocean ridge with new rock
- B) A tall fold mountain on land
- C) A canyon carved by a river
- D) A glacier sliding down a hill

Part B: Fill in the Blank

Write the correct answer on each line.

1. When one ocean plate slides beneath another plate, the process is called _____.
2. The Ring of Fire is a zone around the Pacific Ocean famous for many _____ and earthquakes.
3. Layers of rock that have been bent or wrinkled by plate pushing are said to be _____.
4. A scientist who studies how plates move and shape Earth is studying plate _____.
5. Volcanic islands like Hawaii are built when lava cools and hardens above a hot _____ in the mantle.

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Part B: Fill in the Blank

Write the correct answer on each line.

1. When one ocean plate slides beneath another plate, the process is called subduction .
2. The Ring of Fire is a zone around the Pacific Ocean famous for many volcanoes and earthquakes.
3. Layers of rock that have been bent or wrinkled by plate pushing are said to be folded .
4. A scientist who studies how plates move and shape Earth is studying plate tectonics .
5. Volcanic islands like Hawaii are built when lava cools and hardens above a hot spot in the mantle.