



Earth and Weather



How do forces cause changes on Earth's surface?

- 1 Read and write two examples of landforms produced by deposition.

Deposition

The rock and soil that erosion carries away must go somewhere. The placing of pieces of Earth's surface in a new place is called deposition.

New islands can form as a result of deposition. This happens when rivers carry rock and bits of soil to the ocean. These particles build up over time and can form islands just off the coast.

Wind can also cause deposition. Wind can blow sand into mounds. These mounds are called sand dunes.

Landforms produced by deposition:

- 2 Read and match the columns.

Weathering, Erosion, and Soil

- | | |
|---------------|----------------------------------|
| 1. Weathering | moves weathered material. |
| 2. Erosion | is formed partly by small rocks. |
| 3. Soil | breaks down rocks. |

Lesson 2 • How do we describe features of Earth's surface?

3

Earthquakes and volcanoes. What's missing? Read the text and complete with words from the box.

cracks crater ~~crust~~ erupt lava
melted rock mountains waves



The outer surface of Earth is a layer of rock called the (1) crust. But this rock does not cover its surface in one piece. Imagine big dinner plates that float on (2) _____. Earthquakes happen when the dinner plates shift or move and hit one another. Big earthquakes can open large (3) _____ (called faults) in the crust, and cause landslides. They can also cause huge ocean (4) _____ that can do a lot of damage when they hit the land.

Both volcanoes and earthquakes cause sudden and rapid changes. Volcanoes are part of Earth's crust. They are landforms that look like (5) _____, but with a hole called a (6) _____ at the top. When volcanoes (7) _____, melted rock pushes up through the crater with force, like frosting pushed out of a bag. The melted rock comes from the layer below Earth's crust, and is called (8) _____. As it flows down the volcano's side, it creates a landslide. A very hot one!

4

Are these facts true for volcanoes or for earthquakes, or for both? Read the text in 1 again and complete the table.

	volcanoes	earthquakes
1 They begin below Earth's crust.	✓	✗
2 They can change the shape of Earth's surface.		
3 They cause rapid changes.		
4 They are landforms.		
5 They can make faults appear in Earth's surface.		