



Earth's Changing Surface

Name: _____

Date: _____

Grade: Grade 4

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A large sheet of slowly moving ice that can carve valleys is called a _____.
2. When a glacier melts and leaves behind piled-up rock and dirt, the pile is a _____.
3. Most layers of sedimentary rock formed at the bottom of an ancient _____.
4. Footprints of dinosaurs preserved in rock are called trace _____.
5. When the surface shakes because two plates suddenly slide past each other, the ground motion is an _____.
6. Mountains that form when lava and ash pile up are called _____ mountains.
7. Sand dunes are made when _____ moves and drops grains of sand.
8. When water freezes inside a crack in a rock, it pushes the rock apart. This is called _____ wedging.
9. A river that slowly cuts deeper into the land creates a steep-sided valley called a _____.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Moraine	→ _____	Mound of sand built up by blowing wind in a desert or beach
Sand dune	→ _____	Footprint or burrow of an ancient animal preserved in rock
Ice wedging	→ _____	Pile of rock and dirt left behind by a melted glacier

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A large sheet of slowly moving ice that can carve valleys is called a glacier .
2. When a glacier melts and leaves behind piled-up rock and dirt, the pile is a moraine .
3. Most layers of sedimentary rock formed at the bottom of an ancient ocean .
4. Footprints of dinosaurs preserved in rock are called trace fossils .
5. When the surface shakes because two plates suddenly slide past each other, the ground motion is an earthquake .
6. Mountains that form when lava and ash pile up are called volcanic mountains.
7. Sand dunes are made when wind moves and drops grains of sand.
8. When water freezes inside a crack in a rock, it pushes the rock apart. This is called ice wedging.
9. A river that slowly cuts deeper into the land creates a steep-sided valley called a canyon .

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Moraine	→ <u>Pile of rock and dirt left behind by a melted glacier</u>	Mound of sand built up by blowing wind in a desert or beach
Sand dune	→ <u>Mound of sand built up by blowing wind in a desert or beach</u>	Footprint or burrow of an ancient animal preserved in rock
Ice wedging	→ <u>Rock cracking when water freezes inside it and expands</u>	Pile of rock and dirt left behind by a melted