



Earth's Changing Surface



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Dear Family,

Our class is studying how the surface of the Earth can be changed by forces such as earthquakes and glaciers. Your child has also learned the effects of oceans on land.

Your child is learning many new vocabulary words that describe the Earth's changing surface. Help your child to make these words a part of his or her own vocabulary by using them when you talk together about land forms.

WORD

DEFINITION

summarize	to make a short statement that communicates the main idea
interpret	to explain or provide the meaning of something
erosion	process in which materials are moved away from one place
deposition	process in which materials are dropped in a new place
weathering	a slow destructive process that breaks rock into smaller pieces
earthquake	the shaking of Earth's crust caused by sudden, shifting movements in the crust along a fault
volcano	an opening in Earth's crust through which steam, lava, and ashes erupt
tsunami	a very large ocean wave that is large enough to destroy things when it crashes into a coastline
landslide	downhill movement of large amounts of rock and soil
glacier	a large mass of ice that moves very slowly down a mountain

The following pages include activities that you and your child can do together. By participating in your child's education, you will help to bring the learning home.

Vocabulary Practice

Fill in the missing letters to complete the vocabulary words.

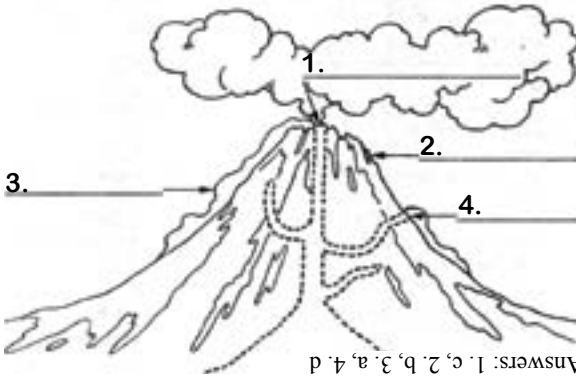
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Science Activity

Label the Volcano

Look at this picture of an active volcano.
Label the different parts of the volcano using the words in the box.

- a. lava flowing down
- b. steep side of the volcano
- c. main vent or crater
- d. lava flows from a small vent



Answers: 1. c, 2. b, 3. a, 4. d

Take Home Booklet

Earth's Surface

Helper's Signature _____

Helpers, please rate the activities in this booklet:

1-poor 2-needs improvement 3-good 4-excellent
 (Please circle one number on each line.)

My child's performance on these activities was: 1 2 3 4
 The quality of these activities was: 1 2 3 4

Once you have completed all the activities and experiments, complete this section, cut along the dotted line, and return it to your teacher.

Student's Name: _____ on _____
 I worked with my _____ (ex: mom, aunt, brother, guardian) these projects.

Science Activity

These are satellite photos taken before and after the **tsunami** that hit Indonesia on December 26, 2004.



On a separate sheet of paper describe how the **tsunami** changed the surface of the Earth.

Fun Fact

Chances are good that somewhere in the world there are 20 volcanoes erupting right now.