

Volcano Worksheet

Instructions: Follow the directions for each part of this worksheet.

Part One: Matching. Match the definitions with the correct words. Write the letter for the definition in front of the matching word for that definition. Use each word only once.

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| 1. ___ ash | A) material set down by a natural process |
| 2. ___ debris | B) molten volcanic rock below the earth's surface |
| 3. ___ lava | C) their leaves drop off every year |
| 4. ___ magma | D) A type of lava flow of super hot rocks, ash and gases |
| 5. ___ mudflow | E) very small rock particles ejected from a volcano |
| 6. ___ deciduous trees | F) accumulation of loose rock and plant fragments |
| 7. ___ fertilizing | G) adding to the soil something to help plants grow |
| 8. ___ ecosystem | H) all the plants, animals, etc that live in a certain place |
| 9. ___ pyroclastic flows | I) molten rock at the earth's surface |
| 10. ___ deposit | J) mud, rock, water and debris that flows down valleys |

Part Two: Fill in the Blank. Use the words provided below to fill in the blanks in these sentences. Words may be used more than once or not at all.

Blast zone	lava dome	magma chamber	pumice
steam explosion	Lava	Magma	Bacteria
coniferous trees	larvae	organic material	mudflow

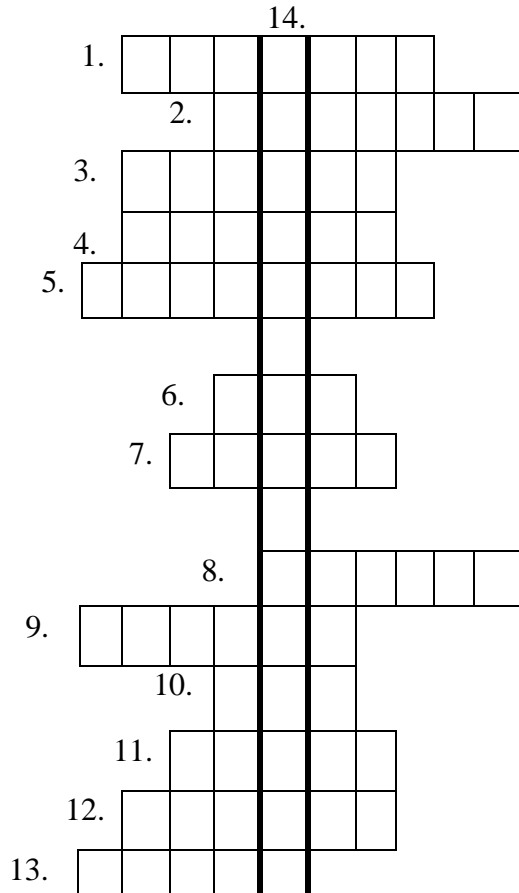
1. A _____ is usually a rounded and steep sided formation of thick, hardened lava or magma.
2. An explosive release of steam, usually occurring when water comes into contact with hot rock or magma is called a _____.
3. _____ are one celled living creatures that are so small they can only be seen through a microscope.
4. Young insects that don't have wings yet and look like worms are called _____.
5. An area of about 230 square miles around Mount St. Helens, the _____, was affected by the heat and force of the lateral blast.
6. _____ is a light colored, frothy volcanic rock that may float in water because of the bubbles trapped inside.
7. Molten material comes to the surface during an eruption from a _____, an underground pocket of magma

Part Three: Crossword Puzzle. Fill in the crossword puzzle to review the story of Mount St. Helens. The numbers correspond to the beginning of each word.

Before May 18, 1980, many kinds of plants and (1) _____ lived in the old-growth forests and mountain lakes around Mount St. Helens. When the (2) _____ erupted, a stone filled wind blew down the forest. Many animals died, but some survived under (3) _____, for example the Pocket Gopher. Some others, like Carpenter Ants, survived because they were hiding in tree (4) _____. Snow protected small trees and other plants from the (5) _____.

After the eruption life was hard for the plants and animals, because there was a thick layer of (6) _____ covering the ground. It wasn't easy to find shelter and places to nest, or food and (7) _____.

But all the plants and animals (8) _____ each other. The Pocket (9) _____ brought up fertile old soil from below the ash. The (10) _____ mixed ash into the soil with their big hooves. Birds ate berries and spread (11) _____ in their droppings. New (12) _____, like fireweed and Pearly Everlasting provided food for Elk, Deer and many others. Red Alder and Willow were among the first (13) _____ of a new forest. Even now, after the eruption (14) _____ is a good home for many kinds of plants and animals.



This cross word supplied by Mount St Helens National Monument.