Volcanoes

Name:

Volcano Facts

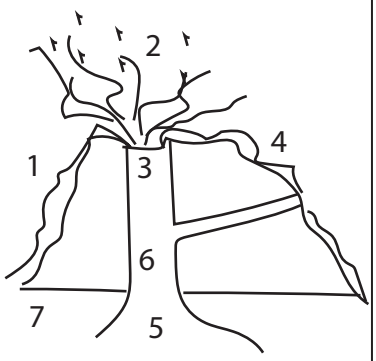
- *The name "volcano" comes from the Roman god of fire, Vulcan.*
- *Over half of the world's volcanoes arise in a belt around the Pacific Ocean called the Ring of Fire.*
- *Hot liquid rock under the Earth's surface is known as magma. It is called lava after it comes out of a volcano.*
- *Volcanic eruptions can send ash over 30 km high into the air.*
- *Pumice is a unique volcanic rock that can float in water.*
- *The loudest known sound in the history of humanity was caused by the volcanic eruption at Krakatoa, near Java in 1883.*

Do you know any more interesting facts about volcanoes?

Volcano Cross Section

Copy this diagram of a volcano and label the following parts.

lava,
crater,
smoke and ash,
side vent,'
main vent,
magma chamber,
Earth's crust.



Extension Research

Famous volcanic eruptions of modern times include Mount Krakatoa in 1883, Novarupta in 1912, Mount St Helens in 1980 and Mt Pinatubo in 1991.

Discuss the most dangerous aspect of volcanoes. (ash? lava? pyroclastic flows?)

Information Report

Volcanoes can be very dangerous.

Krakatoa, which erupted in 1883, started a tsunami that killed 36,000 people. When Vesuvius exploded 2000 years ago, it buried the towns of Pompeii and Herculaneum, killing 16,000 people.

In what area of the world are most active volcanoes located?

Are there many large cities near active volcanoes?

Can scientists predict when volcanoes will erupt?

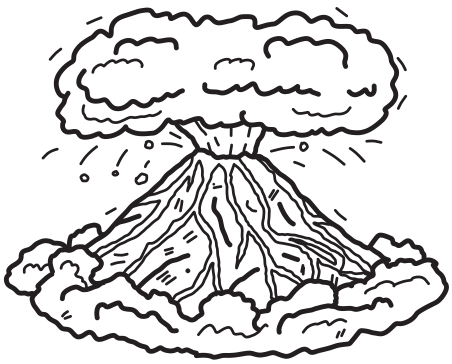
Research volcanic eruptions and write a short report. Give details outlining the devastation of one particular eruption.

Ordering Numbers

Place these volcanoes in order from highest to lowest.

Parinacota 6348 m
Llullaillaco 6723 m
Coropuna 6377 m
Cerro El Condor 6532 m
Tipas 6660 m
Chimborazo 6310 m
Ojos del Salado 6887 m

What's the difference in height between the highest and lowest volcano in this list?



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