

## Earth's Dynamic Geosphere: Volcanoes Activity 5 - Volcanoes and the Atmosphere

### This investigation will help you to:

- Preparing for the Chapter Challenge
- Inquiring Further
- Learn more about volcanic gases
- Learn more about volcanoes and climate change

#### Preparing for the Chapter Challenge

How have volcanic gases emitted from volcanoes in California affected your community.

- Fact sheet on gases being emitted from Mammoth Mountain Volcano, California.
- Fact sheet on carbon dioxide and helium discharge from Mammoth Mountain Volcano, California.

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#### Inquiring Further

Visit the USGS Cascades Volcano Observatory web site to find out more about their monitoring efforts.

- Map showing the western U.S. volcanoes monitored by the Cascades Volcano Observatory.

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#### Learn more about volcanic gases

Volcano World - Volcanic Gases

Site includes different facts about volcanic gases.

Effects of Volcanic Gases - Volcano Information Center

Lists the effects of different volcanic gases on the environment and animals.

Volcano Hazards Fact Sheet - USGS Volcanic Gases

Discusses why volcanic gases are important to study, how geologists study volcanic gases, and what they have learned.

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#### Learn more about volcanoes and climate change

Volcanoes and Climate Change

This article from NASA's Distributed Active Archive Center details the effects that large scale eruptions, such as the eruption of

Mount Pinatubo, can have on the long-term global climate.

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