# Volcano Hall of Fame





#### Grade Level: 5-9

#### Learner Objectives:

Students will:

- Become familiar with important aspects about each of the Cascade volcanoes
- Identify sources of information about Cascade volcanoes
- Recognize the long-term interaction between people and Cascade Range volcanoes

#### Setting: Classroom

#### **<u>Timeframe:</u>** 30 minutes

#### Materials:

- Copies of "Volcano Hall of Fame Cards" student page
- Internet access or library resources
- USGS Volcano Fact Sheets (optional)

## Science for a changing world



#### Living with a Volcano in Your Backyard-An Educator's Guide with Emphasis on Mount Rainier

Prepared in collaboration with the National Park Service

U.S. Department of the Interior

U.S. Geological Survey

**General Information Product 19** 

### Overview

Students use fun facts to identify which Cascade volcano is being described.

### Teacher Background

Refer to U.S. Geological Survey Fact Sheet 165-97 for general information about Cascade volcanoes and their locations in the Cascade Range. Find additional information at related activities, including **Cascade Volcano Timeline** and **Surrounded by Volcanoes**.

### Procedure

Write a journal entry about a volcanic eruption to assess knowledge of volcanic processes and terms.

- 1. Give each student a *"Volcano Hall of Fame"* student page.
- 2. Explain procedure of matching facts to specific Cascade volcanoes.
- 3. Instruct students to use the Internet, library resources, or USGS Volcano Fact Sheets to match the facts to the correct volcano.

#### Adaptations

 Younger students can cut out the "Hall of Fame" cards and use as volcano trading cards.

#### **Vocabulary:** Cinder cone, Klickitat, Kulshan, lahar, lava tube, obsidian, Loowit,

Mazama, Modoc War, Pahto, shield volcano, stratovolcano, Tahoma, Tehama, tephra, volcanic ash, Wy'east

**Skills:** Communicating, creative writing

#### **Benchmarks:**

#### Geography:

The students uses maps, charts, and other geographic tools to understand the spatial arrangement of people, places, resources, and environments on Earth's surface.

- 1 The student understands the meaning of what is read
- 1.2 Recognize spatial patterns on Earth's surface and understand the processes that create these patterns
- 1.2.2a Locate physical and human features and events on maps and globes

### Assessment

Use **A String of Volcanoes** as a learning tool, and **Volcano Hall of Fame** as an assessment of students' knowledge about important aspects of Cascade volcanoes. After completing these two activities, students should be able to identify important aspects of Cascade volcanoes and identify sources of information. Assess each student's ability to identify important aspects and to record them.

### References

Dzurisin, D., Stauffer, Peter H., Hendley, James W., 1997, Living with Volcanic Risk in the Cascades: U.S. Geological Survey Fact Sheet 165-97, 2p.

Harris, S. L., 2005, Fire Mountains of the West: The Cascade and Mono Lake volcanoes. Mountain Press Publishing Company, 3rd edition, 454 p.

Tilling, R. I., Topinka, L. and Swanson, D.A., 1990, Eruptions of Mount St. Helens (Revised edition): Past, present, and future: U.S. Geological Survey series of General Interest Publications, 57 p.

Wright T.L., and Pierson, T.C., 1992, Living with Volcanoes–The U.S. Geological Survey's Volcano Hazard Program: U.S. Geological Survey Circular 1073, 57 p.



### Refer to **Internet Resources Page** for a list of resources available as a

a list of resources available as a supplement to this activity.



### Volcano Hall of Fame Cards

Use Internet or library resources to match the volcanoes in the Cascade Range (listed below) to the facts in the Volcano Hall of Fame.Write the name of the volcano below the number on each card.

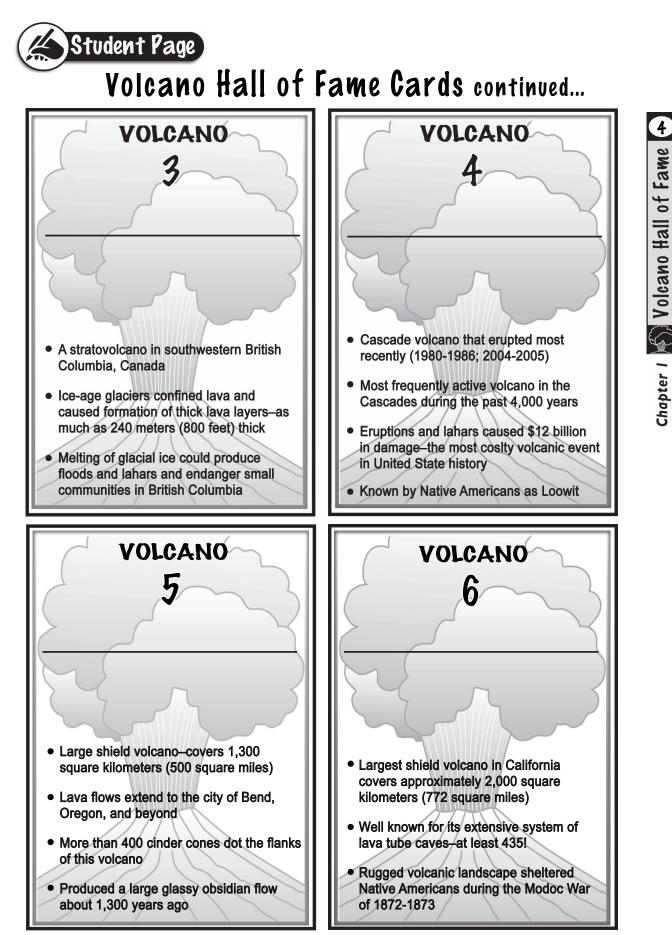
Crater Lake Mount Baker Mount Rainier

Glacier Peak Mount Garibaldi Mount Shasta

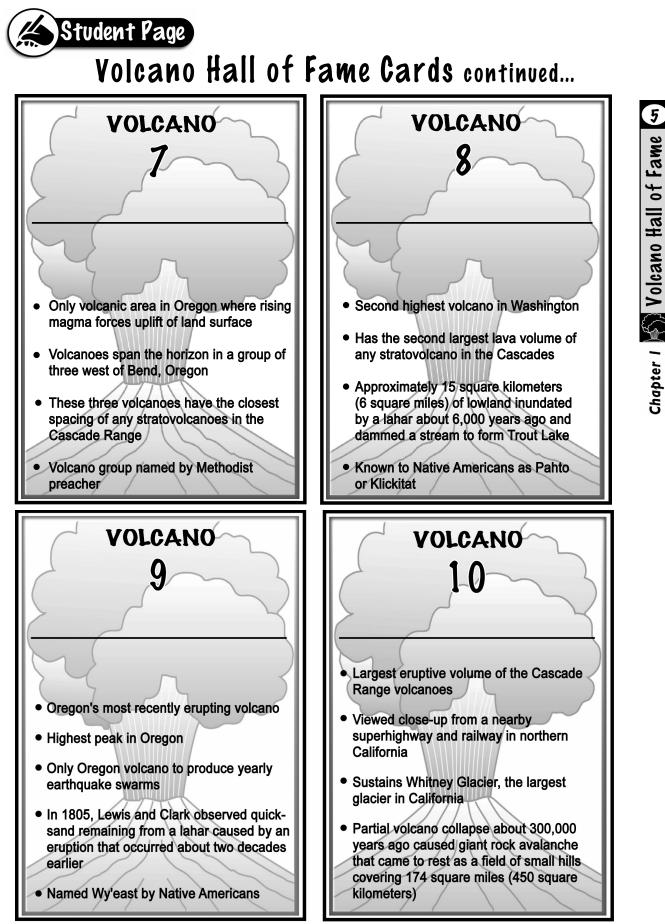
Lassen Peak Mount Hood Mount St. Helens Medicine Lake Volcano Mount Jefferson Newberry Volcano

Mount Adams Mount Meager Three Sisters chapter I 🖏 Volcano Hall of Fame 🕨

VOLCANO VOLCANO Highest volcano in the Cascade Range. Most recently erupting volcano in Most threatening volcano in the Cascades because of its closeness to large California (1914-1917) populations Home to only Cascade volcano with • Produced one of the largest-known lahars (mudflows) in the world bubbling mud pots, roaring fumaroles, and boiling hot springs (5,600 year - old Osceola Mudflow) Volcanic ash blown as far as Nevada Covered by as much ice and snow as all during 1917 eruption of the Cascade volcanoes combined Native Americans named this volcano Native Americans named this volcano Tahoma Tehama



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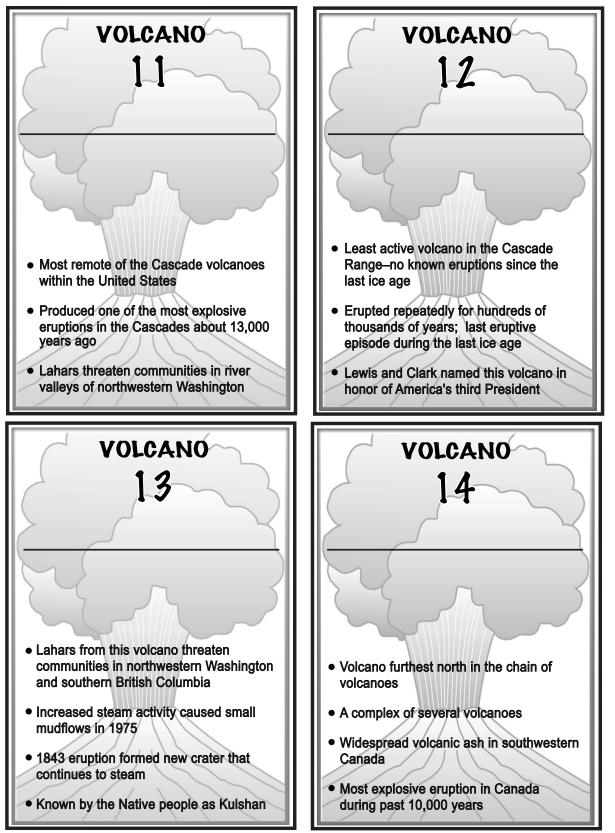
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### Volcano Hall of Fame Cards continued...

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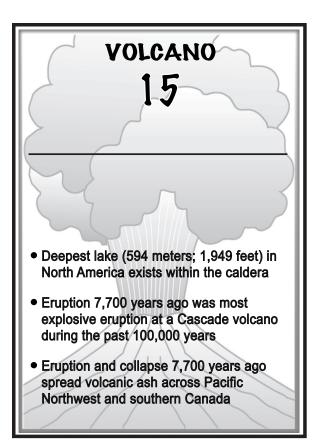
Chapter I 🕥 Volcano Hall of Fame



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### Volcano Hall of Fame Cards continued ...



Chapter I 🔊 Volcano Hall of Fame 🗸



### Volcano Hall of Fame

The following volcano names match the clues given in the Volcano Hall of Fame.

- 1. Mount Rainier
- 2. Lassen Peak
- 3. Mount Garibaldi
- 4. Mount St. Helens
- 5. Newberry Volcano
- 6. Medicine Lake Volcano
- 7. Three Sisters
- 8. Mount Adams
- 9. Mount Hood

- 10. Mount Shasta
- 11. Glacier Peak
- 12. Mount Jefferson
- 13. Mount Baker
- 14. Mount Meager
- 15. Crater Lake

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