

# Volcanoes

## Scavenger Hunt Activity

### Materials:

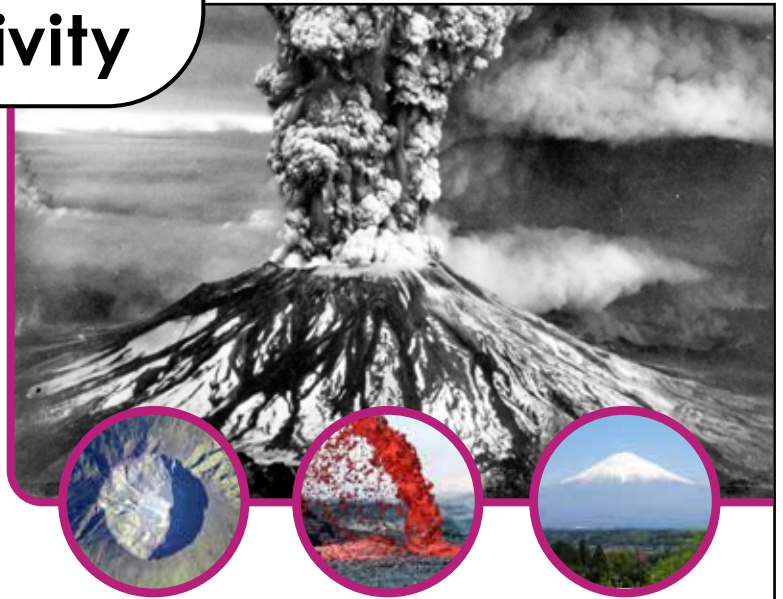
- 18 volcano fact cards (pages 2–6)
- volcano questions worksheet (pages 7–8)
- scissors
- scotch tape

### Preparation

Print the fact cards and cut them apart.

Make copies of the volcano questions worksheet (2-sided). Each student will need his or her own copy.

Hide all 18 volcano fact cards around your classroom where students will be able to find



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### Management tips

You may want to make this a silent activity so students don't share answers with each other.

You can have the kids work by themselves or with partners.

Don't be afraid to hide the facts in tough places. Kids think it's more fun when they have to search around a little.

### Examples of good hiding spots might include:

- sticking out of a book, like a bookmark
- the back of the classroom door
- lying flat on the classroom bookshelf
- on the side of the bookshelf
- on the back of the teacher's chair

*Have a plan for students who finish early. You may want to have an assignment for them to complete when they're done, or you may have them help other students find fact cards.*



### Scavenger Hunt

## Volcanoes

Fact Card

1



The 1815 eruption of Indonesia's Mt. Tambora was the largest, deadliest

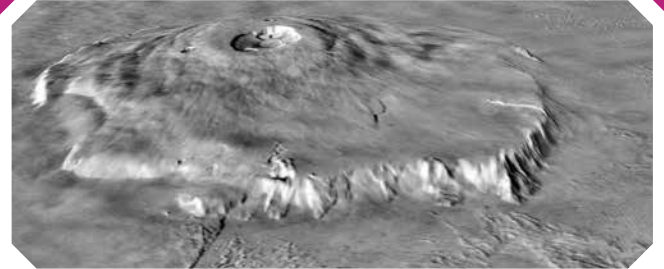
eruption in recorded history. At least 71,000–117,000 died as a

### Scavenger Hunt

## Volcanoes

Fact Card

2



The largest volcano we know of is on Mars. At more than 72,000 feet (22 km) tall, Olympus Mons is more than twice as tall as Mt. Everest.



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## Volcanoes

3

Mt. Vesuvius is famous for its eruption in 79 C.E. Roman Empire cities like Pompeii and Herculaneum were completely destroyed.



## Volcanoes

4



There are more underwater volcanoes than land volcanoes—a *lot* more. Some scientists estimate there are more than one million! Luckily most won't ever erupt again.



### Scavenger Hunt

# Volcanoes

Fact Card

# 5

Care to visit Antarctica? Mt. Erebus (pictured) is the southernmost volcano on Earth. Norway's Beerenberg is the northernmost on land. Both are still active.



### Scavenger Hunt

# Volcanoes

Fact Card

# 6



Superhot, liquid rock flowing above ground is called lava. Below ground it's called magma. Magma can be a

called magma. Magma can be a



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# Volcanoes

# 7



In 1980, Mt. St. Helens had the deadliest, most destructive eruption in U.S. history. It has also given scientists the best look at how nature changes and heals after eruptions.

# Volcanoes

# 8

Volcanoes are named after Roman mythology. Vulcan was a fire god. He made weapons in a volcano. If he got angry and hit his hammer too hard, it would erupt!





### Scavenger Hunt

# Volcanoes

Fact Card

# 9



Krakatoa's 1883 eruption might have made the loudest sound ever. Even 100 miles (160 km) away, it was about 180 decibels. Some sound experts think the blast

### Scavenger Hunt

# Volcanoes

Fact Card

# 10



Wide, gently sloping shield volcanoes form when runny lava spreads far before cooling. Composite volcanoes have thicker lava



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# Volcanoes

# 11



Many islands are formed thanks to volcanoes. The Hawaiian (pictured), Galapagos, and Canary Islands are all volcanic. Iceland is the biggest volcano-made island.

# Volcanoes

# 12

Mt. Fuji is a world-famous volcano. Its cone is almost perfectly symmetrical. It peaks at 12,389 feet (3,776 m). It's the highest point in Japan.



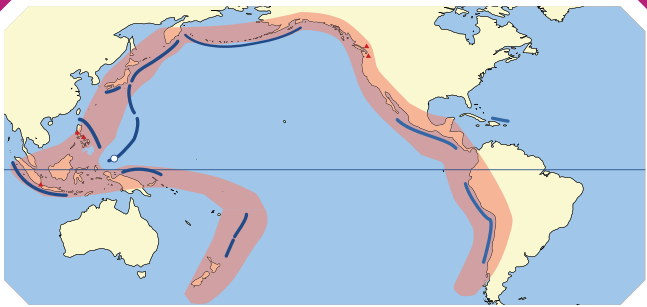


### Scavenger Hunt

# Volcanoes

Fact Card

# 13



The Ring of Fire stretches around the rim of the Pacific Ocean. It's nearly 25,000 miles (40,000 km).

### Scavenger Hunt

# Volcanoes

Fact Card

# 14

Most of Earth's tallest mountains are part of big ranges. Mt. Kilimanjaro is the tallest freestanding one. It's a dormant volcano in Tanzania, Africa. It reaches 19,341 feet (5,895 m) at its peak.



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# Volcanoes

# 15



Volcano eruptions are measured on a scale of 0–8. It's based on how much material is thrown out, how far it's thrown, and for how much time. The last VEI-8 eruption was more than 27,000 years ago.

# Volcanoes

# 16



Extinct volcanoes (pictured), likely won't erupt

again. Dormant volcanoes are likely to erupt again but haven't in a long time. Active volcanoes have erupted recently and likely will again. Earth has around 1,500 active volcanoes.



### Scavenger Hunt

## Volcanoes

Fact Card

# 17

Mauna Loa isn't the tallest active volcano, but it is the largest in terms of volume. The wide shield volcano is estimated to take up more than 18,000 cubic miles (75,000 cubic km).

### Scavenger Hunt

## Volcanoes

Fact Card

# 18



You might think volcanic eruptions are rare. The opposite is true. On



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Name: \_\_\_\_\_

Side A

# Volcanoes Scavenger Hunt

**Fact Card 1:** When and where was the deadliest eruption in recorded history?

\_\_\_\_\_

**Fact Card 2:** What's the largest known volcano? Where is it located?

\_\_\_\_\_

**Fact Card 3:** When was Pompeii destroyed by a volcanic eruption?

F

F



**Fact Card 6:** What is the common temperature range for lava?

\_\_\_\_\_

**Fact Card 7:** Which volcano had the deadliest eruption in U.S. history? When?

\_\_\_\_\_

**Fact Card 8:** Volcanoes get their name from which god and from which mythology?

\_\_\_\_\_

**Fact Card 9:** What was thought to have made the loudest sound ever?

\_\_\_\_\_

# Volcanoes Scavenger Hunt

**Fact Card 10:** Lava is thicker in which type of volcano: shield or composite?

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**Fact Card 11:** What is the largest island made entirely by volcanoes?

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**Fact Card 12:** What volcano is 12,389 feet (3,776 m) tall and almost perfectly symmetrical?

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**Fact Card 15:** VEI-8 is the strongest level of volcanic eruption. When did one last happen?

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**Fact Card 16:** About how many active volcanoes are on Earth?

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**Fact Card 17:** What is the volume of Mauna Loa?

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**Fact Card 18:** How many volcanoes are likely erupting today?

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## Volcanoes Scavenger Hunt

**Fact Card 1:** When and where was the deadliest eruption in recorded history?

**1815 in Indonesia**

**Fact Card 2:** What's the largest known volcano? Where is it located?

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**Fact Card 9:** What was thought to have made the loudest sound ever?

**Krakatoa's 1883 eruption**

## Volcanoes Scavenger Hunt

**Fact Card 10:** Lava is thicker in which type of volcano: shield or composite?

composite

**Fact Card 11:** What is the largest island made entirely by volcanoes?

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**Fact Card 18:** How many volcanoes are likely erupting today?

around 20