

## The Mauna Loa Volcano

Mauna Loa is the largest active volcano on Earth. It is located on the biggest of the five main Hawaiian Islands. **Mauna Loa** is one of five volcanoes that form the island. Mauna Loa means “long mountain” in Hawaiian. The volcano is so wide that it takes up about half the island. Mauna Loa is bigger than the other four Hawaiian Islands combined, especially since part of the volcano is underwater and cannot be seen.



The base of Mauna Loa starts at the bottom of the ocean. More than half of the volcano is underwater. From bottom to top, Mauna Loa is taller than Mt. Everest. Hawaii is known for being a warm, tropical island. But Mauna Loa's **elevation** is so high it gets snowfall in the winter.

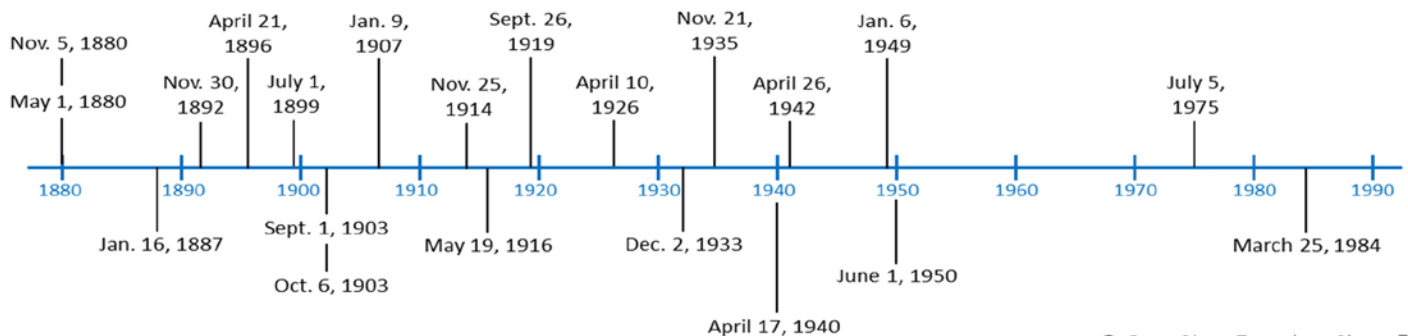
Mauna Loa is an active volcano. An active volcano is a volcano that erupts frequently. Since 1880, Mauna Loa has erupted 21 times. Its last eruption was in 1984. Luckily the lava flow did not reach where people live.

Active Volcano	Dormant Volcano	Extinct Volcano
Erupts frequently, or has erupted at least once in the last 10,000 years.	Hasn't erupted in the last 10,000 years, but is expected to erupt again.	Hasn't erupted in the last 10,000 years. Is not expected to erupt again.

An earthquake can set off a volcanic eruption. Scientists watch for earthquakes to predict when Mauna Loa might erupt. They can warn the people on the island before the next eruption occurs. Very few people have been killed by Mauna Loa's eruptions. In fact, Mauna Loa is a popular tourist attraction. Visitors can even hike to the top.

### RECORDED ERUPTIONS AT MAUNA LOA

\* Mauna Loa eruptions date back to prehistoric times. This timeline only shows eruptions that have occurred since 1880.



Nonfiction: Text Features – Q1:5

Monday	Tuesday
<p><b>Before</b> you read, make a prediction about the text based on the title and text features.</p> <hr/>	<p>Based on the text, what is the meaning of the phrase <b>Mauna Loa</b>?</p> <hr/>
<p>What text features are included in this article?</p> <hr/>	<p>Write one detail from the text that supports Mauna Loa is a very big volcano.</p> <hr/>
<p>Where is Mauna Loa located?</p> <hr/>	<p>Why are you unable to see half of Mauna Loa?</p> <hr/>
<p>Which text feature helps you find the location of Mauna Loa?</p> <hr/>	<p>Which mountain does the author compare Mauna Loa to?</p> <hr/>
Wednesday	Thursday
<p>Based on the text, what is the meaning of the word <b>elevation</b>?</p> <hr/>	<p>What information do you gain from the timeline?</p> <hr/>
<p>Why does it snow at the top of Mauna Loa in the winter?</p> <hr/>	<p>Why do scientists watch for earthquakes?</p> <hr/>
<p>What is an active volcano?</p> <hr/>	<p>True or False? Mauna Loa first erupted in 1880.</p> <hr/>
<p>Based on the table, how is an active volcano different from a dormant volcano?</p> <hr/>	<p>Based on the timeline, when did Mauna Loa last erupt?</p> <hr/>

# More of My Thinking

Monday	Tuesday
Wednesday	Thursday

## My Progress

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
____ out of 4 correct I need more help with...	____ out of 4 correct I need more help with...	____ out of 4 correct I need more help with...	____ out of 4 correct I need more help with...

Answer Key - Nonfiction: Text Features – Q1:5

Monday	Tuesday
<p><b>Before</b> you read, make a prediction about the text based on the title and text features.</p> <p>Accept all reasonable answers.</p>	<p>Based on the text, what is the meaning of the phrase <b>Mauna Loa</b>?</p> <p>long mountain</p>
<p>What text features are included in this article?</p> <p>map, table, timeline</p>	<p>Write one detail from the text that supports Mauna Loa is a very big volcano.</p> <p>Answers will vary. Mauna Loa is bigger than the other four islands combined.</p>
<p>Where is Mauna Loa located?</p> <p>Hawaii – the biggest of the five main islands.</p>	<p>Why are you unable to see half of Mauna Loa?</p> <p>It is underwater.</p>
<p>Which text feature helps you find the location of Mauna Loa?</p> <p>the map</p>	<p>Which mountain does the author compare Mauna Loa to?</p> <p>Mt. Everest</p>
Wednesday	Thursday
<p>Based on the text, what is the meaning of the word <b>elevation</b>?</p> <p>height – how tall something is</p>	<p>What information do you gain from the timeline?</p> <p>The timeline tells you the date of each eruption.</p>
<p>Why does it snow at the top of Mauna Loa in the winter?</p> <p>It snows because its elevation is so high.</p>	<p>Why do scientists watch for earthquakes?</p> <p>to help them predict when Mauna Loa might erupt</p>
<p>What is an active volcano?</p> <p>a volcano that erupts frequently</p>	<p>True or False? Mauna Loa first erupted in 1880.</p> <p>False</p>
<p>Based on the table, how is an active volcano different from a dormant volcano?</p> <p>An active volcano has erupted at least once in the last 10,000 years. A dormant volcano hasn't.</p>	<p>Based on the timeline, when did Mauna Loa last erupt?</p> <p>March 25, 1984</p>