



Name: _____

Date: _____

MOUNTAIN OF FIRE

Fill in the blanks.

A volcano is formed when a _____ in the earth's crust causes molten rock to erupt onto the earth's surface, forming a _____.

There are _____ active volcanoes on our planet and _____% of eruptions take place in the _____. Volcanoes allow the earth to release the _____ and _____ trapped under its crust.

Vulcan is an example of a myth and _____ around volcanoes.

The eruption of _____ in 1815 is considered the most destructive volcanic event in history. _____ is the largest volcano on earth. The _____ volcano is considered the most active volcano in the world. _____, located on _____ is the largest volcano in our solar system.

Deep inside the earth, temperature and _____ are so high that rocks forming the earth's _____ melt, forming _____. A volcano erupts when magma _____ and erupts through a crack in the earth's crust. Magma is called _____ once it's on the surface.

_____ are the founders of volcanology.

A _____ is a machine that measures vibrations.

Spectrometers measure the _____ emitted by volcanoes and volcanologists now install them on _____.

Answer Key

A volcano is formed when a **fracture** in the earth's crust causes molten rock to erupt onto the earth's surface, forming a **crater**.

There are **1500** active volcanoes on our planet and **75%** of eruptions take place in the **ocean**. Volcanoes allow the earth to release the **heat** and **pressure** trapped under its crust.

Vulcan is an example of a myth and **legend** around volcanoes.

The eruption of **Mount Tambora** in 1815 is considered the most destructive volcanic event in history. **Mauna Loa** is the largest volcano on earth. The **Kilauea** volcano is considered the most active volcano in the world. **Olympus Mons**, located on **Mars** is the largest volcano in our solar system.

Deep inside the earth, temperature and **pressure** are so high that rocks forming the earth's **mantle** melt, forming **magma**. A volcano erupts when magma **rises** and erupts through a crack in the earth's crust. Magma is called **lava** once it's on the surface.

Maurice and Katia Krafft are the founders of volcanology.

A **seismograph** is a machine that measures vibrations. Spectrometers measure the **gases** emitted by volcanoes and volcanologists now install them on **drones**.