

Magma that has left the vent of a volcano is known as

Lava

A bowl shaped depression formed by the collapse of a volcano is called a

Caldera

This can form in a caldera when magma starts to come back up the vent or conduit

Resurgent dome

Volcanoes that are erupting or have erupted recently, and are expected to erupt again are called

Active volcanoes

What is melted rock located within the Earth's crust known as?

Magma

Where is magma "stored" inside a volcano?

Magma chamber

Volcanoes that are not active now, but may become active again in the future are

Dormant Volcanoes

Volcanoes that are at the end of their life and will no longer erupt are

Extinct volcanoes

Magma that oozes out of the ocean floor and hardens in seawater makes this kind of lava

Pillow Lava

Volcanic island chains are formed when plates move over the top of plumes that are called

Hot spots

A state that is an example of an Island Arc chain in the United States is

Hawaii

Volcanic Island chains are formed when ___?___ bring up materials from deep within the lower mantle to the surface

Plumes or Mantle plumes

What kind of volcano forms a low mound because its magma is low-silica and can't build up tall sides

Shield volcano

Low amounts of ___?___ make magma that is thin or runny

Silica

The long tube in the ground that connects the magma chamber to the surface of the Earth is called what

Vent

When layer of thin, runny lava build a high, level area, it is called a

Lava plateau

What is a huge hole left by the collapse of a volcanic mountain?

Caldera

What landform results from magma that has hardened in a vent?

Volcanic plug or neck

What are the four types of volcanoes recognized by the USGS?

Shield, dome, cinder, composite

What kind of explosion happens when a volcano with low silica erupts?

Quiet, gentle

The type of volcano that has pipe vents

Composite

This type of volcano is built almost entirely from ejected lava fragments

Cinder cone

Fast moving clouds of gas, ash, and rock bombs that are products from an explosive eruption are known as

Pyroclastic flow

What is a dense mud flow that results when snow and ice melts during an eruption and combines with volcanic ash and debris?

Lahar

True or False? Volcanoes erupt because lava contains gases that expand when heated.

True

What is an opening through which molten rock and gas leave a volcano?

Vent

What kind of lava forms in seawater?

Pillow lava

This is a type of tephra made of small pebbles

Lapilli

The most explosive types of volcanoes are

Composite

A dark colored rock that does not have a lot of silica is

Basalt

A mound in the vent of an erupted volcano

Resurgent dome

Solid remains of magma that filled the vent of an extinct volcano. The neck is exposed as the volcano erodes

Volcanic neck or volcanic plug

Any material ejected during a pyroclastic explosion, no matter what the size

Tephra

Volcanoes that are typically large, steep-sided, symmetrical cones of alternating layers of lava flows, volcanic ash, cinders, blocks, and bombs

Composite or stratovolcanoes

A volcano with an eruption style that is gentle, with lots of magma, lava fountains, and bombs

Shield

Volcanoes with thin and runny (low viscosity) magma

Shield

Volcanoes with low levels of gas that can escape from the magma

Shield

A volcano with an eruption style that is mildly explosive

Cinder cone

Volcano with an eruption style that is explosive, violent, with lava flows, lahar, pyroclastic flows, cinders, and ash clouds

Composite

Volcano with magma that is slightly cooler, thick and sticky, explodes violently

Composite

Volcano with high levels of gas

Composite

Volcanoes with very thick (high viscosity) lava

Lava dome

Volcano with an eruption style that is slow, may be violent, lava does not go far

Lava dome

Volcano that is formed by relatively small, masses of lava too thick to flow any great distance; so the lava piles over and around its vent

Lava dome

Volcano that is formed as gas-filled lava is blown violently into the air, it breaks into small fragments that harden and fall as cinders around the vent to form a circular or oval cone.

Cinder cone

What is the simplest type of volcano?

Cinder cone

These volcanoes have a bowl-shaped crater at the summit and rarely rise more than a thousand feet or so above their surroundings

Cinder cone

This type of volcano is built up slowly by the addition of thousands of highly fluid lava flows called basalt lava that spread widely over great distances, and then cool as thin, gently dipping sheets

Shield volcano

This type of volcano has a crater at the summit which contains a central vent or a clustered group of vents (pipe vents)

Composite

This type of volcano has a conduit or vent system through which magma from a reservoir deep in the Earth's crust rises to the surface

Composite

