**Characteristics of Volcanoes**

1. **Intro to Volcanoes (Video):**

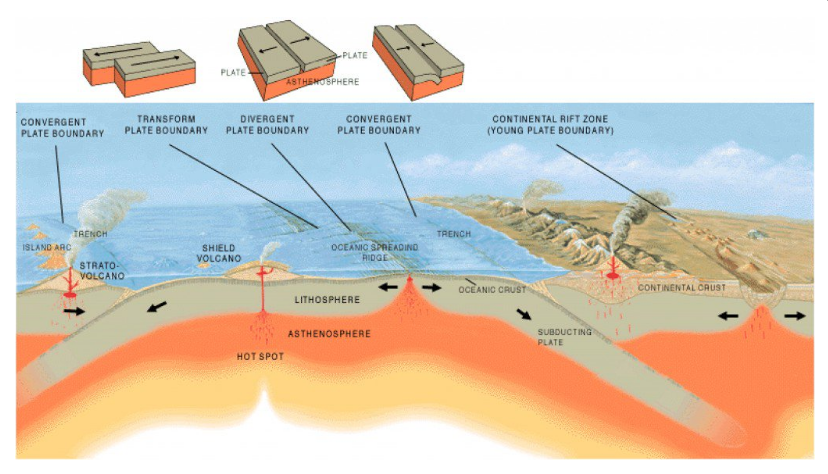
Approximately \_\_\_\_ volcanoes are currently considered **active** (meaning it has erupted since the last ice age or in the last 10 000 years). Of all the currently active volcanoes, approximately \_\_\_\_\_ lie within the **Ring of Fire** (a band circling the Pacific Ocean ). Volcanoes form where **tectonic plates** \_\_\_\_\_ . **Magma** is \_\_\_\_\_\_\_ that erupts through rifts or collisions in the earth’s plates.

* \_\_\_\_\_\_\_\_\_\_\_\_ in Italy has been erupting for more than 3,500 years. The first eruption occurred in 1,500 BC.
* Kilaueavolcano in Hawaii is a youngest shield volcano which has been erupting continuously since 1983. This makes Hawaii the only state in the US that is \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* The ­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_ formed over a hotspot in the middle of the Pacific plate.

1. **Origin of Volcanoes:**

**There are three main places where volcanoes originate:**

* Hot Spots
* Divergent plate boundaries (such as rifts and mid-ocean ridges)
* Convergent plate boundaries (subduction zones)



Define ‘**hotspot’**:

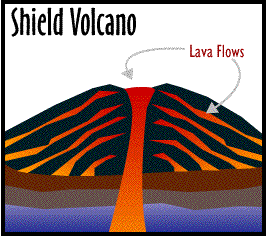
Describe how a volcano forms at a **convergent plate boundary:**

Describe how a volcano forms at a **divergent plate boundary:**

1. **Types of Volcanoes:**

There are three types of volcanoes we will learn here. Use the internet or your textbook to complete the WS.

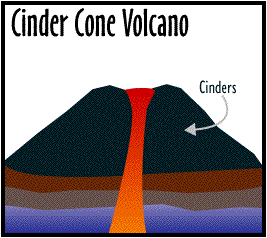
Suggested websites: [Owlcation](https://owlcation.com/stem/4-Different-Types-of-Volcanoes-Cinder-Cones-Lava-Domes-Shield-and-Composite-Volcanoes), [USGS](https://pubs.usgs.gov/gip/volc/types.html), or [ZME Science](http://www.zmescience.com/other/science-abc/types-of-volcano/) OR: textbook (p166)



How do they form?

Key Characteristics (structure, lava, activity):

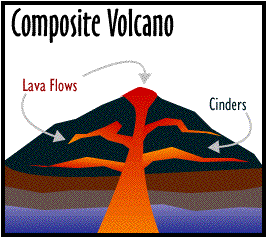
Specific Examples (two):



How do they form?

Key Characteristics:

Specific Examples (two):

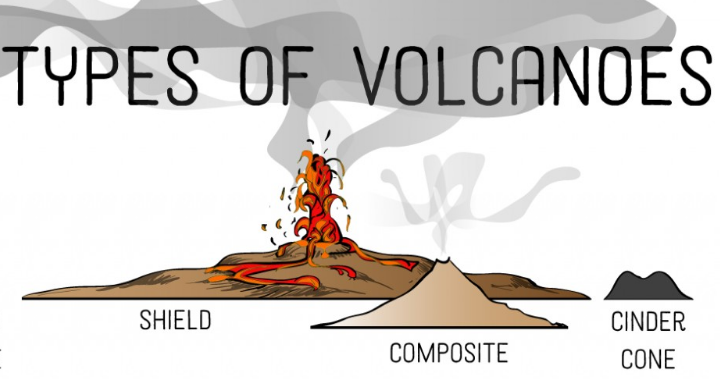


How do they form?

Key Characteristics:

Specific Examples (two):

**Three Different Volcano Types:**



**Table of Different Volcano Types:**

