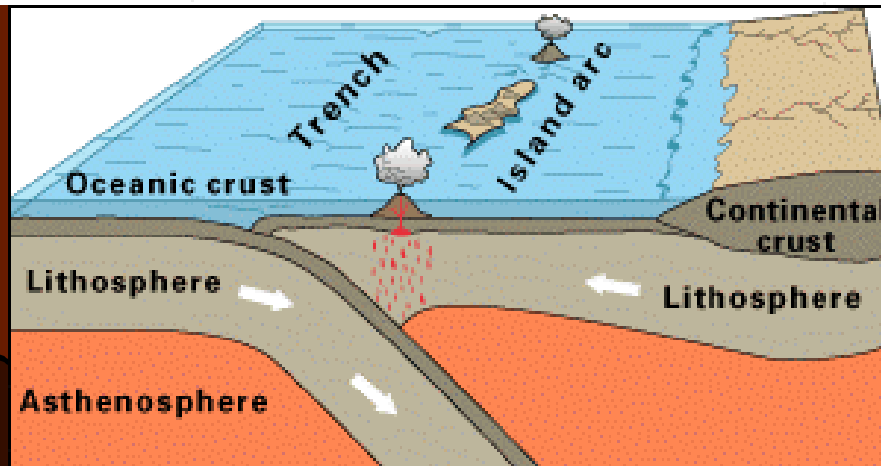
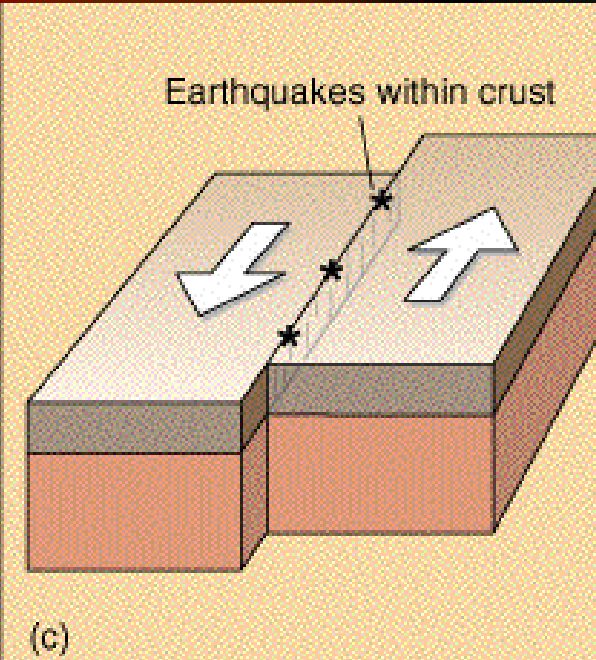
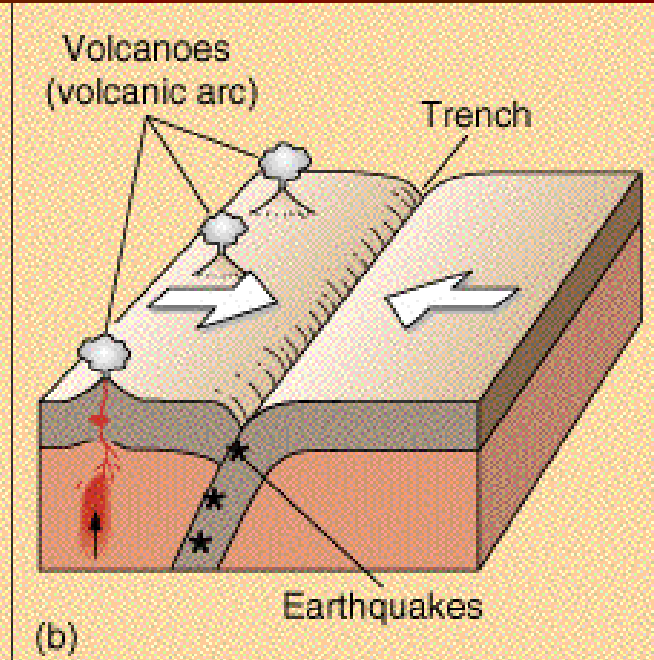
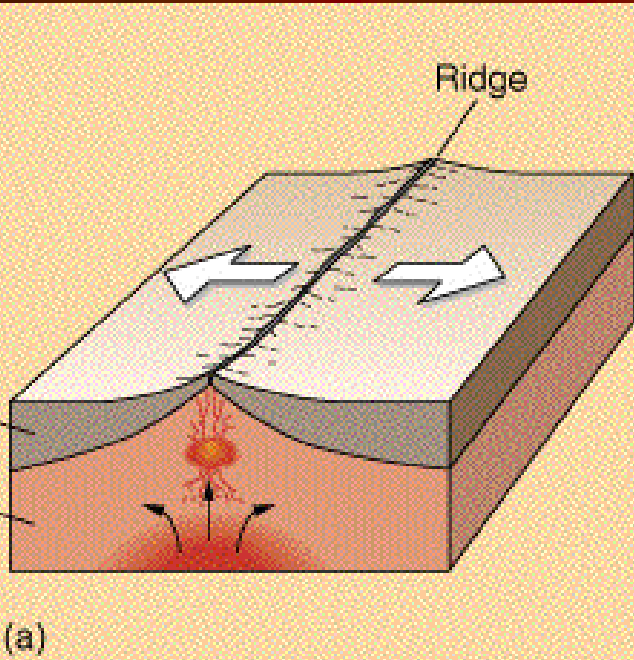


Environmental Hazards - Volcanoes



Recap Quiz – Plate movements

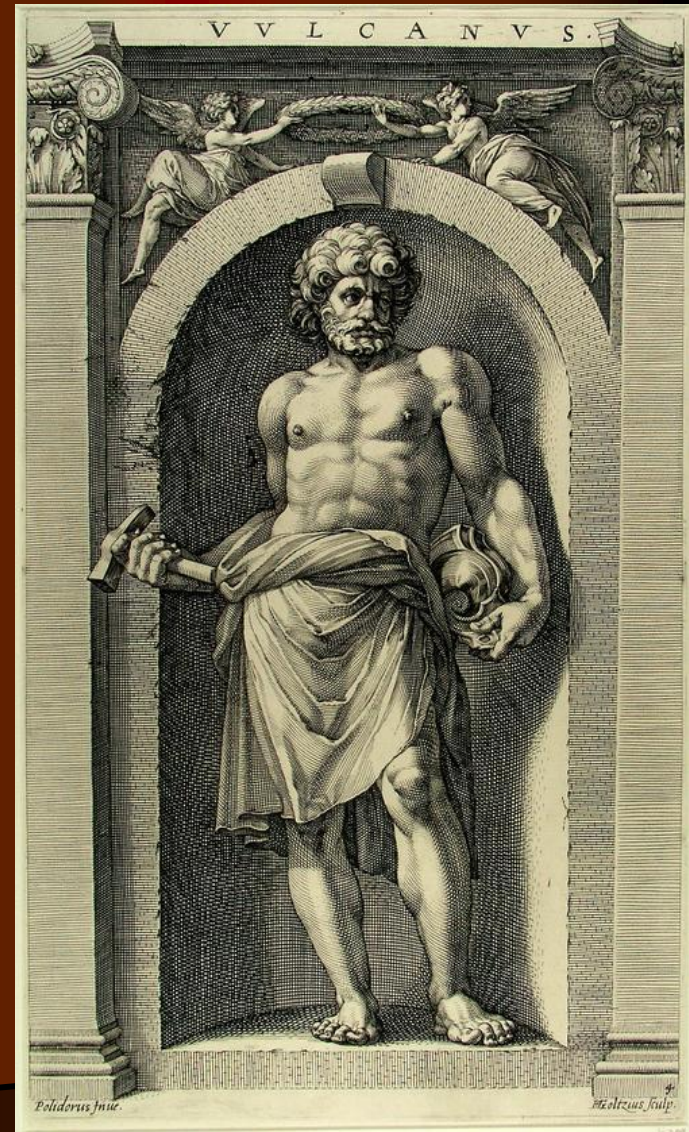


Today we will learn:

- What is a volcano?
- How a volcano is formed
- The structure of a volcano
- the 3 types of Volcano

Volcanoes in the Past

- **The word "volcano" comes from the little island of Vulcano in the Mediterranean Sea off Sicily. Centuries ago, the people living in this area believed that Vulcano was the chimney of Vulcan -- the blacksmith of the Roman gods. They thought that the hot lava fragments and clouds of dust erupting from Vulcano came from Vulcan's forge as he beat out thunderbolts for Jupiter, king of the gods, and weapons for Mars, the god of war.**



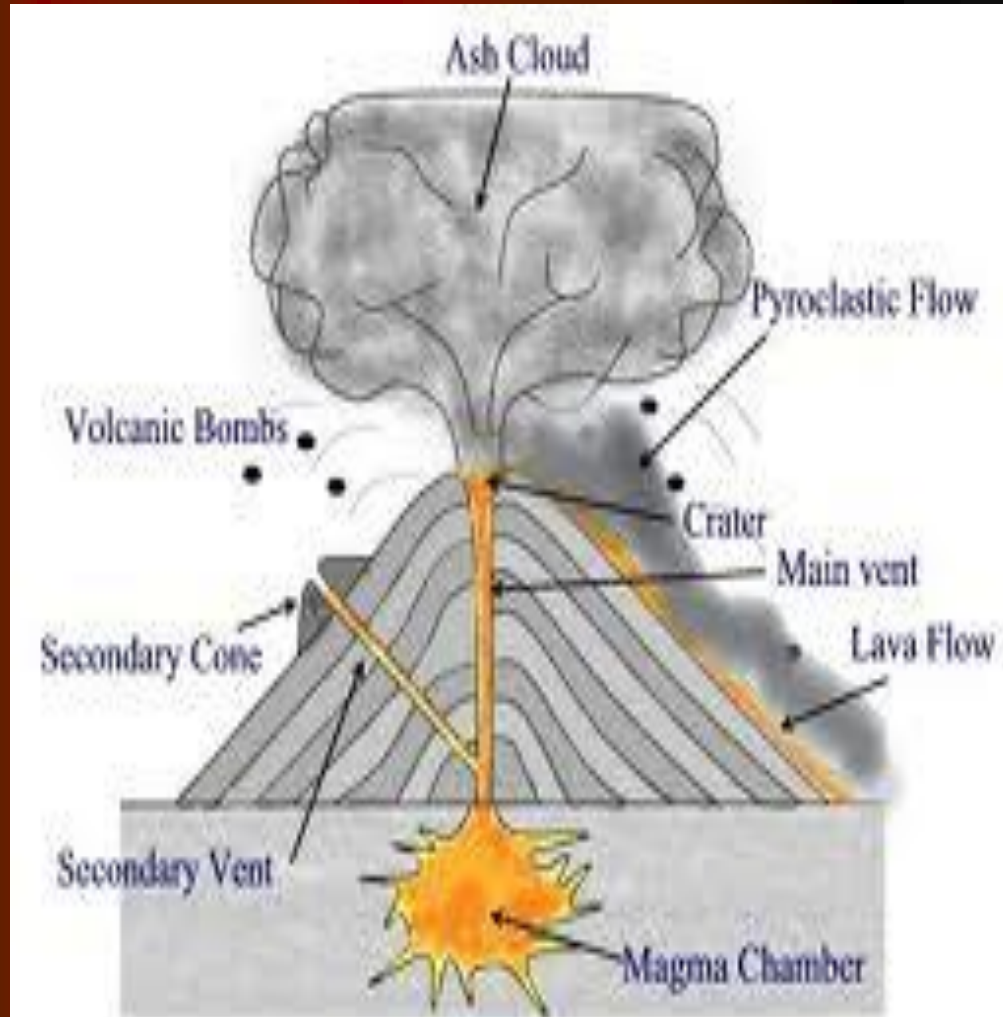
Volcanoes

- **A volcano is a vent or opening in the earth's surface which spits out lava, ash & dust**
- **A volcano looks like a mountain. It has been formed by a build up of volcanic material**



Inside a Volcano

- **Magma is stored below the vent in a magma chamber**
- **Volcanic bombs are also blown from the crater**
- **Side vents can be formed if there are weaknesses in the rock & the hot magma pushes its way through**
- **Gases emitted are poisonous to humans**



Main Features of a Volcano

How does an eruption occur?

- A volcanic eruption can be compared to a bottle of fizzy juice being shaken then taking the cap off to release the pressure which has built up inside

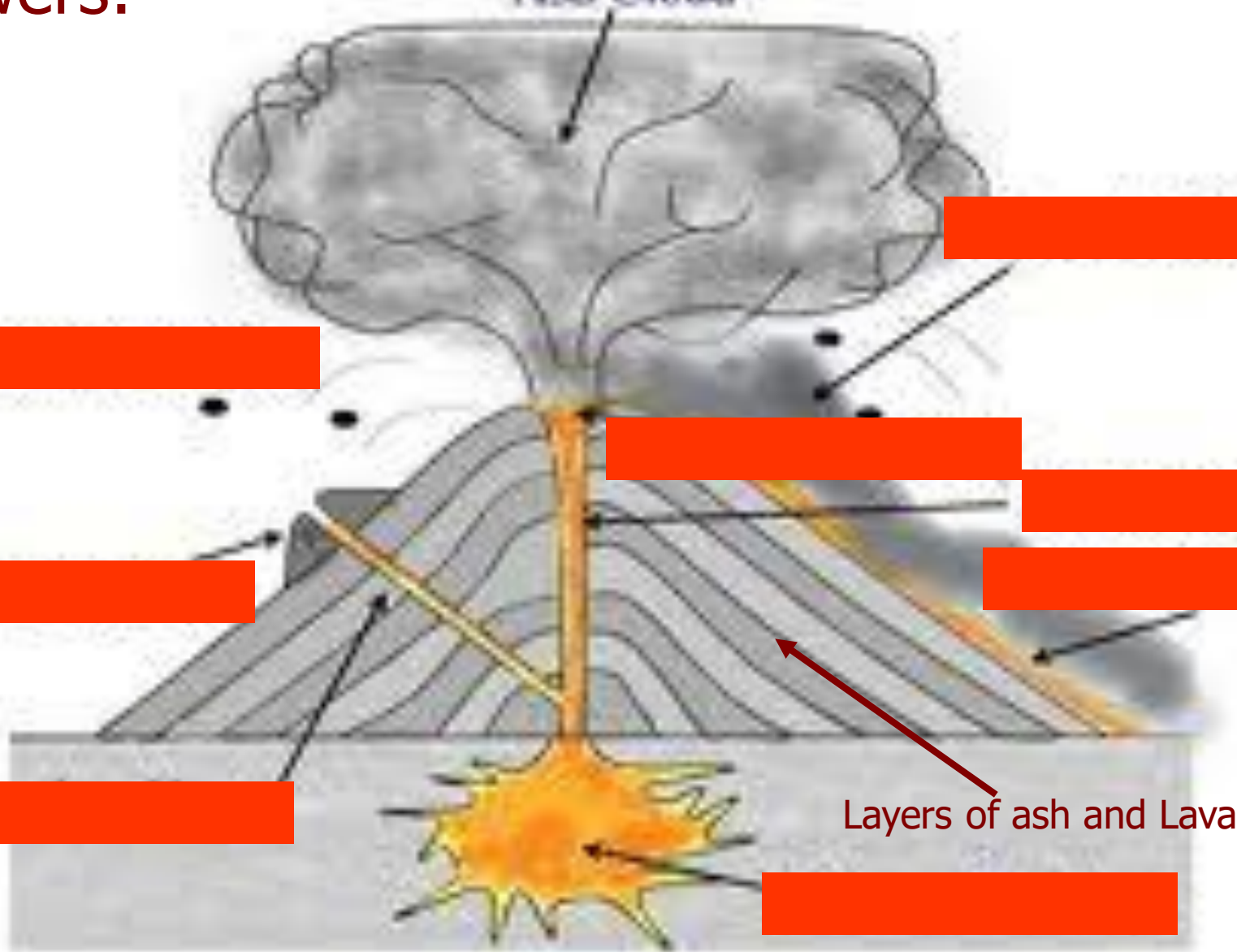


(Photo used with permission from Kenai Helicopters Hawaii.)

Task:

- From what you have just learned complete the Main features of a Volcano Worksheet and staple it into your jotter
- When finished you may colour it in
- You have 10 mins!!!

Answers:



Main Features of a Volcano

Types of Volcano

There are 3 kinds of volcano:

- 1. Active:** An active volcano is one which still lets out steam, gas, and lava (e.g. Etna, Italy)
- 2. Dormant:** A dormant volcano is a sleeping volcano which has remained quiet for a long time (Mauna Kea, Hawaii)
- 3. Extinct:** An extinct volcano is one which can never erupt again (e.g. Edinburgh Castle)