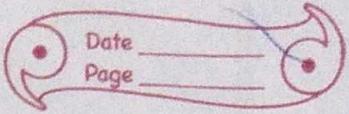


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## Earthquake Movements

- All natural earthquakes occur in the lithosphere
- Seismic waves studies offer a full picture of the layered interior
- An earthquake is simply net shaking of earth crust
- It is caused due to the energy released, which triggers waves that travels in all directions
- The emanation of energy occurs along fault
- A fault is a sharp break in the crustal rocks

► Earthquake waves are of two

P Waves are also known as Primary waves. They are the first wave to arrive at the surface.

- \* Seismic waves ~~come~~ after the happening of Earthquake and they are called
- \* All Earthquakes are different in their intensity and magnitude. The ~~instrument~~ instrument for the measurement of the vibration is known as Seismograph.
- \* Richter Scale is used to measure the magnitude of the Earthquake.

## Volcanoes

### 1. What are volcanoes?

Ans) A Volcano is a landform, a mountain where molten rocks erupt through the surface of the planet. The volcano <sup>open</sup> mountain, downward to the pull of molten rocks under Earth the surface of Earth. Pressure ~~pulls~~ builds up the surface of the surface of earth's crust. This is the reason why Volcano erupts. Igneous and Igneous Rocks shoot up and splash over or fill the air with lava fragment. The Volcanic ~~Eruption~~ Eruption can cause hot ash, lateral Blasts and lava blow, mud.

### Formation of volcanoes

A volcano ~~erupted~~ mountain is formed by the Surface Eruption

Brom within the Earth's Upper Mantle.

The Magma that erupts to the surface and forms a lava flow that deposits Ash. As the volcano continues to erupt new layer of lava is add to the surface accumulating to form a ~~old~~ volcano.

### Different Stages of Volcano

They tend to be conical although there are a variety of forms depending upon

- \* The nature of the material erupted
- \* The type of eruption
- \* The amount of change since the eruption

Volcano are Divided into three types -

- 1. Active Volcanoes - Those Volcanoes that have erupted recently. Empty Etna ~~Mount Fuji~~ and Empty Stromboli of the mediterranean Sea

Dormant volcanoes :- This type of volcanoes are quite bore a long time but do signs that they could erupt again. For Ex - Vesuvius

Extinct volcanoes :- An Extinct volcano is ~~a~~ a volcano that no one expects will ever have another eruption.

### Worksheet

1. Which of the following volcanoes made of rocky particles about the size of a grain of sand.

Ans) Volcanic Dust

2. Which type of rock would you expect from magma

Ans) Igneous

3. Before the lava reaches the surface  
the molten material is called Magma
4. The ring of fire refers to the ~~Volcanoes that~~  
are located at the Border of the  
Pacific and surrounding continents
5. What is the most abundant gas  
~~Associated with volcanic~~ Activity  
Carbon Dioxide
6. A volcano is a mountain or hill formed  
around the crack in the Earth's crust
7. The hot rock that flows down  
the sides of the volcano is
- Ans) lava
8. The opening created in the top of a  
volcano after a volcanic eruption is a
- Ans) crater