

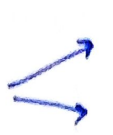
Q. What is Volcano? What are the different types of Volcanoes? Discuss the benefits and hazards of volcanoes. (250 W)

VOLCANO :-

- According to U.S. Geological Survey, "Volcanoes are openings (or) vents through which magma comes out."
- They can be located on both land and Ocean.
- They emit lava, steam and tephra.
- The Magma rises due to 3 reasons:-
 - i) When tectonic plates move away
 - ii) When tectonic plates comes close towards each other.
 - iii) When magma rise at the hotspots.

IT'S TYPES :-

- According to British Geological Survey, "the Volcanoes are classified based on it's magma's viscosity, amount of gas present in it, it's composition and the way it reaches to the Surface".

→ Broadly, volcanoes can be  Strato volcano
Shield volcano

i) Strato volcano

* Steep sides & More Conical.

ii) Shield volcano

* Low profile & looks like a Shield
lying on the ground.

BENEFITS :-

- Underneath gases from Volcano can be used to produce GEO THERMAL ENERGY.
- It break downs certain fertile rocks and mooks better AGRICULTURAL PRODUCTION.
- Most METALLIC MINERALS Found association with magma. Ex:- Copper, Gold.

HARMS :-

- Endangers Livelihood & Livestock & Wildlifes.
- Creates Air pollution & related diseases.
- Contaminates Water.