

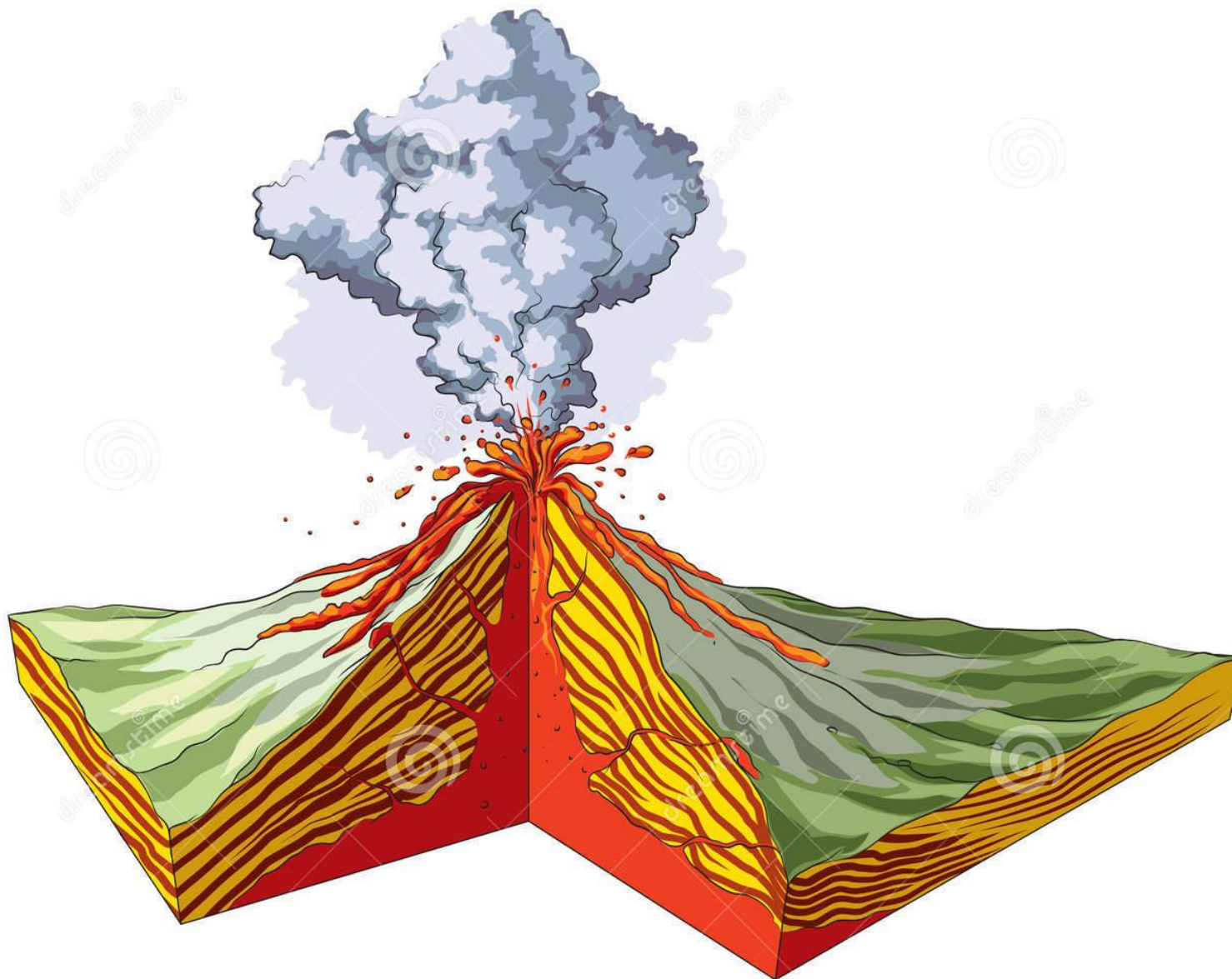


WHAT IS VOLCANO ?

TUANA SAPMAZ

WHAT IS VOLCANO ?

- Volcano Located in the world's layer magmas (available in the world's inner layer, high pressure and high temperature to melt the rocks) earth as their generally conical in shape similar to the shape of the magma is released into the air and allowing material is a mount having an aperture of it.



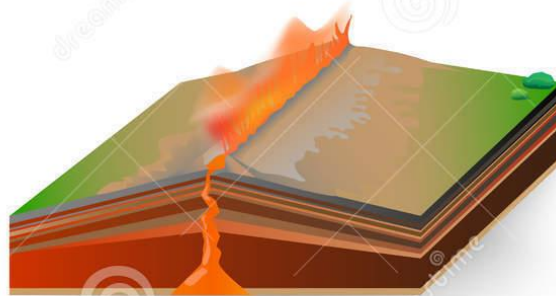
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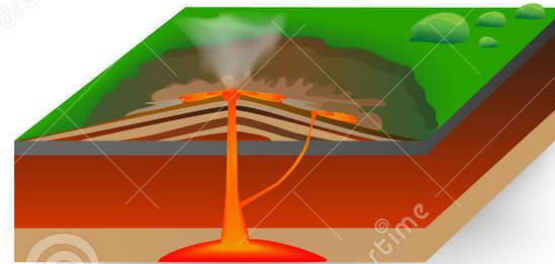
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VOLCANIC FEATURES



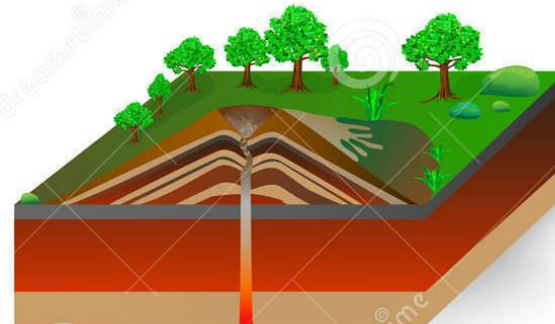
Fissure vent



Shield volcano



Stratovolcano



Lava dome



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THE FUNCTIONING OF THE VOLCANO?

- When the world's physiology, there are various layers of the world. because high pressure found in deep layers, rocks affected by the melting process, and therefore they can not become liquid. These rocks are quite angry and the earth is still the weak point they begin to move upwards.
- Looking at the world in general, there are a lot of volcanoes on earth. These areas also are referred to as volcanic regions. Many of these extinct volcano, it remains active volcano as lava eruptions approximately 700-800.
- But this lava spraying process is not an action taking place frequently. Very rarely experienced. When it happened, life can paralyze. The extinct volcanoes, ever have the ability to become active again unexpectedly property. Here is a great role magma.

atmosphere

stratospheric aerosols
(lifetime 1-3 years)

positive
anionism



Ash

CO_2
 N_2
 H_2O

osphere

escent volcanism

tropospheric aerosols
(lifetime 1-3 weeks)



indirect effects on
clouds

less
upward
IR flux

emission

IR cooling

emission

more
downward
IR flux

ash
rainout

more reflected
solar flux

backscattering

absorption (near IR)

IR heating net heating solar heating

effects on
cirrus clouds

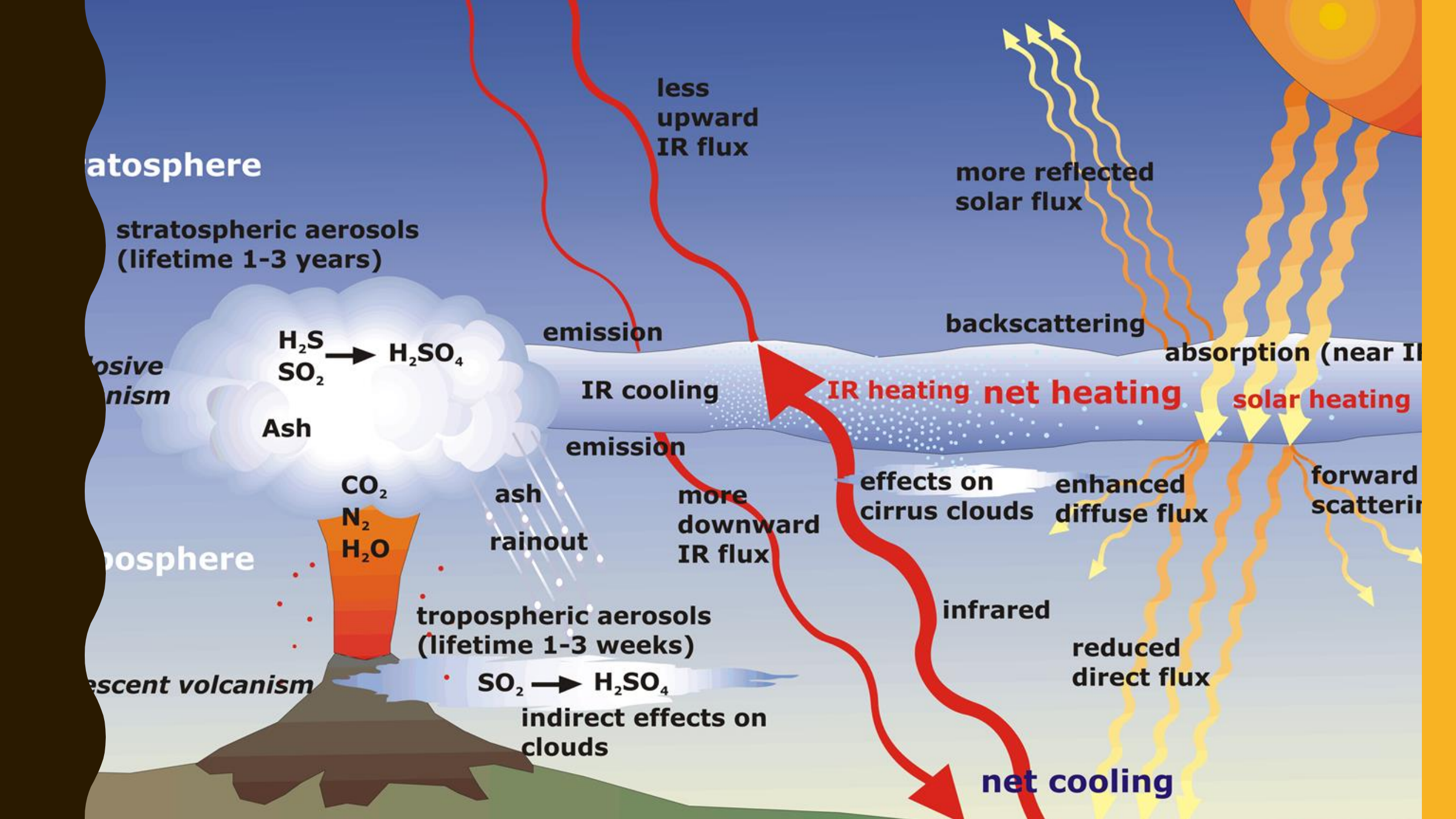
enhanced
diffuse flux

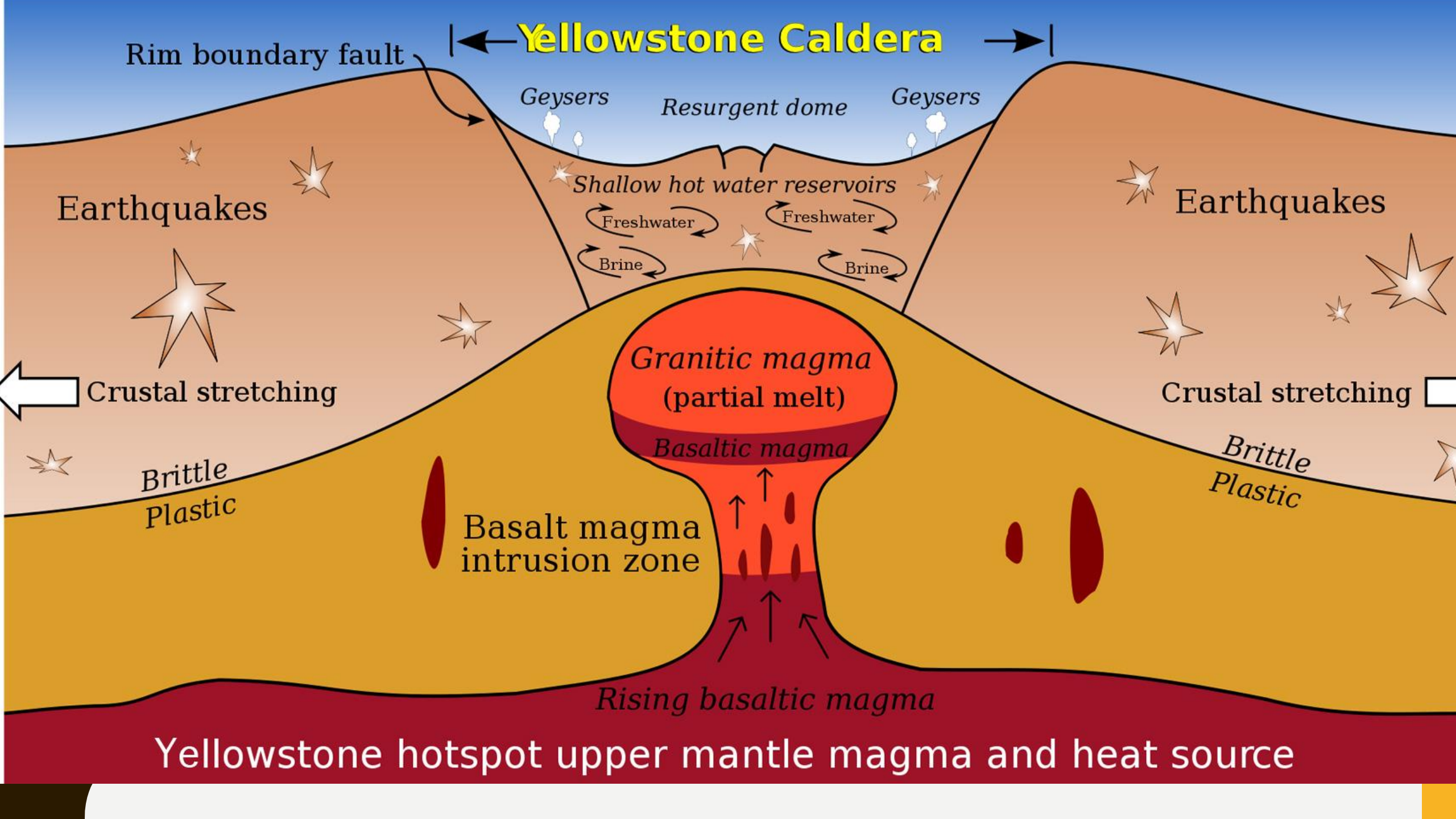
forward
scattering

reduced
direct flux

infrared

net cooling





THE FORMATION OF VOLCANO

- Most places like the inner part of the round, the more magma movement and dynamics are not well understood. However, an injection, a solid layer beneath the volcano (the world's shell) moves towards a magma "magma chamber" It is known that after the occupation of the. Eventually, the magma chamber is pushed upward and spread water on the planet's surface as lava, or the rising magma heats the surrounding landforms and causes combustion steam. This output or gases escaping from magma, rock, ash, volcanic glass and / or cause volcanic ash to be launched vigorously. Although not always strong eruption, discharge or could be in the form of big explosions.

THE BENEFITS OF VOLCANO

- Benefits: There are many benefits in addition to the loss of the volcano. Many important mineral deposits of volcanic events has occurred. The world's most fertile soils formed on volcanic terrain
 - In terms of mineral rich volcanic soils and efficient.
 - The volcanic area is rich in underground mines.
 - The volcanic landscape is an important landforms in terms of tourism. Turkey's most important volcanic mountains northeast of the East and Central regions - listed on a line southwest direction.
- They also affect the socio-economic structure of the region they are located. For example, Mount Etna in Italy as soon as it is switched off again immediately tourism them when lava pasty. Because sculptures made of basalt lava brings a different perspective to the art of life. fairy chimneys formed on volcanic terrain in the same way in our country this region following the Cappadocia region has developed its tourism.

The main volcanic mountains in Central Anatolia Region are: Erciyes, the highest mountain in the region. One of the main cone with a large number of cones formed from the side. Out put of this mounth the volcanic materials Nevsehir Ürgüp, Göreme spread widely around, selint eroded over time under the influence of water and wind has created the fairy chimneys.



LOSS OF VOLCANO

- Sometimes the gases from volcanoes, dust and ashes leads to climate change by covering the atmosphere. Materials removed from the volcano, the sun's rays can reduce the temperature in cutting a portion of the lower floors. IV. Overcooling of volcanic events in geological time, there is estimated to be experienced as an effect of the ice ages.

Apart from that the volcanic activity has created a huge human losses. One of the biggest losses in history in 79 AD Pompeii was also held. Vesuvius exploded within a few hours after the city cemetery, the Romans lived there "rock video people" transformed.

Smoke rising from the volcano Vesuvius, it has transformed the city cemetery in a short time. It was no more than 20,000 people. People, roasted over the 2000 years, they remained under the lava ash. Vesuvius in eruption lasted 2 days. Pompeii was buried 6-7 meters deep at the end of these 2 days.





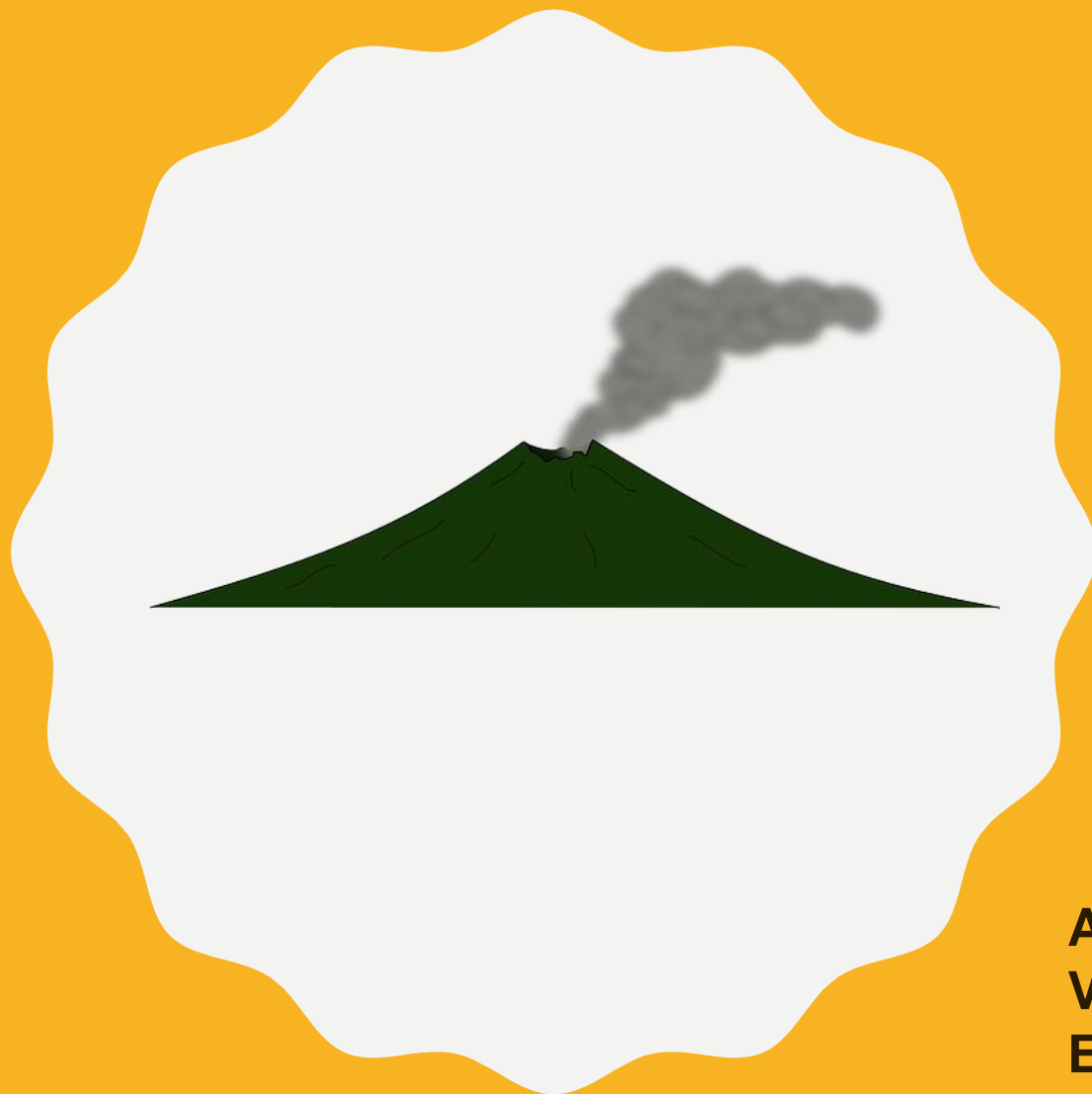


- Oceans and seas in one of the volcanoes, hills is just the surface. One of the most well-known example of this type of volcano, the island of Tenerife, an island in the Canary Islands "Pico de Teide" is the volcano. The volcano's peak is 3,718 meters above the sea surface, the bottom is located 3,000 meters below the water surface.
- Volcanoes when become active, they are distributed in the earth very hot lava and clouds of ash and dust into the air. This ash cloud may be so severe, may disrupt the global airline transportation. Lava scale of the environmental damage is quite extensive









**TRAIL OF EXTINCT
AND ACTIVE
VOLCANOES,
EARTHQUAKES
ACROSS EUROPE**