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Popocatepetl volcano: Lava spills

Did you know that...?

The **crater** has a size of 600 x 800 m and is partially full due to lava domes

Crater level in

2016

and

1994

Elevation
5,452
meters above
sea level

If the **Latin American Tower** were inside the crater, it would only occupy a small area

It is located in the central part of the Trans-Mexican Volcanic Strip, at a distance of...

60 km
from
Mexico City

30 km
from
Puebla

50 km
from
Tlaxcala

65 km
from
Cuernavaca

It is
one of the
most active
and high risk
volcanos in
Mexico

23 million people
reside within a
100 km radius from the volcano

Efects



Lava spills may damage homes, infrastructure, and means of communication. Due to their high temperature, lava spills may ignite grassland and forest fires



According to the chemical composition, lava may have different **temperature, density, and viscosity** characteristics



Lava with higher viscosity has a slower flow, and depending on the speed of emission, it **may accumulate around the emitting center creating a dome**



When the crater is filled with lava, there may be lava spills through the lower borders and produce pyroclastic flows

Suggestions Before



Keep informed, do not spread rumors, and follow instructions given by authorities



Identify evacuation routes and temporary shelters



Prepare a civil protection family plan, and your emergency back-pack



Learn how to protect your cattle and your pets

During



If you are on the volcano, don't walk through the ravines



With your family, go to a safe area that has previously been identified



Shut off the power, water, and gas mains



Cover your nose, eyes, and mouth with a face mask or a moist handkerchief

After



Continue staying informed, and follow instructions by authorities



Avoid areas affected by volcanic eruptions because rocks, lava, and ashes are hot for a long time



Check your home's conditions