

A volcano is an opening , or rupture , in a planet's surface or crust , which allows hot magma , ash and gases to escape from below the surface . [Volcanoes](#) are generally found where tectonic plates are [diverging](#) or [converging](#) . A [mid-oceanic](#) ridge , for example the [Mid-Atlantic](#) Ridge , has examples of [volcanoes](#) caused by divergent tectonic plates pulling [apart](#); the Pacific Ring of Fire has examples of [volcanoes](#) caused by convergent tectonic plates coming together . By contrast , [volcanoes](#) are usually not created where two tectonic plates slide past one another . [Volcanoes](#) can also form where there is stretching and thinning of the Earth's crust (called "[non-hotspot](#) intraplate volcanism") , such as in the East African Rift , the Wells [Gray-Clearwater](#) volcanic field and the Rio [Grande](#) Rift in North America . [Volcanoes](#) can be caused by mantle [plumes](#) . These [so-called](#) hotspots , for example at Hawaii , can occur far from plate boundaries . Hotspot [volcanoes](#) are also found elsewhere in the solar system , especially on rocky planets and moons .

Æ volkæno̅ iz on ðpineg , or rapcha , in æ ploniu's surfis or krast , wicð looz hot moema , osh ond gosiz to askæp from balo til surfis . volkæno̅z ð jenrole foond wea tektonik plæms ð diuureg or konuureg . æ mid ðstæonik rij , for exampol til mid otlontik rij , hoz exampolz on volkæo̅z kard bi diuureg tektonik plæms roleg arðt; til pasifik rij on fia hoz exampolz on volkæno̅z kard bi konuureg tektonik plæms klameg tagetil . bi konchrðst , volkæno̅z ð yohale not kreetid wea to tektonik plæms slid pðst wlan lahla . volkæno̅z kon alsō form wea til iz sjrecheg ond lineg on til urtils krast (kard "non hotspot int arlæt volkanizim") , sach oz in til est ofrakin rift , til wolz græ kleamartil volkonik feild

and the reo ground rift in north america . volcanoes can be found both in the mid atlantic ridge . these are cold hotspots , for example at hawaii , can be far from plate boundaries . hot spot volcanoes are also found elsewhere in the solar system , especially on rocky planets and moons .