

Volcanoes

LO; To know there are different types of volcano

Active – eruptions can be anytime and often.

Dormant – has been a while since it has erupted, but could at anytime.

Extinct – meaning it hasn't erupted in a very long, long time so it probably won't ever again.

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There are three main types of volcano:

1. Composite Volcanoes
2. Shield Volcanoes
3. Cinder Cone Volcanoes

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Composite Volcanoes



Mount
Fuji in
Japan

Composite volcanoes usually erupt in an explosive way. This is because the magma is quite sticky and it clogs up the conduit causing a massive build up of pressure. They are usually quite large and cone-shaped.

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Shield Volcanoes



Mauna
Loa in
Hawaii

Shield Volcanoes are volcanoes that erupt quite runny lava that travels over long distances before cooling. These create long, gentle slopes that resemble a warrior's shield, hence the name shield volcanoes. Lots of volcanic islands, such as Hawaii, were created by shield volcanoes. This type of volcano rarely explodes.

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Cinder Cone Volcanoes



Sunset
Crater,
Arizona,
USA

Cinder Cone Volcanoes are formed when lava fragments are ejected from the vent, that then cool quickly and form rock around the vent. They grow rapidly but rarely grow above 250 metres in height. They are not usually dangerous unless you were to fall into one of course!

VOLCANOES



Task 2: Draw the three main types of volcanoes

Challenge:
Describe these volcanoes using your own words.

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Shield Volcano
Composite Volcano
Cinder Cone Volcano