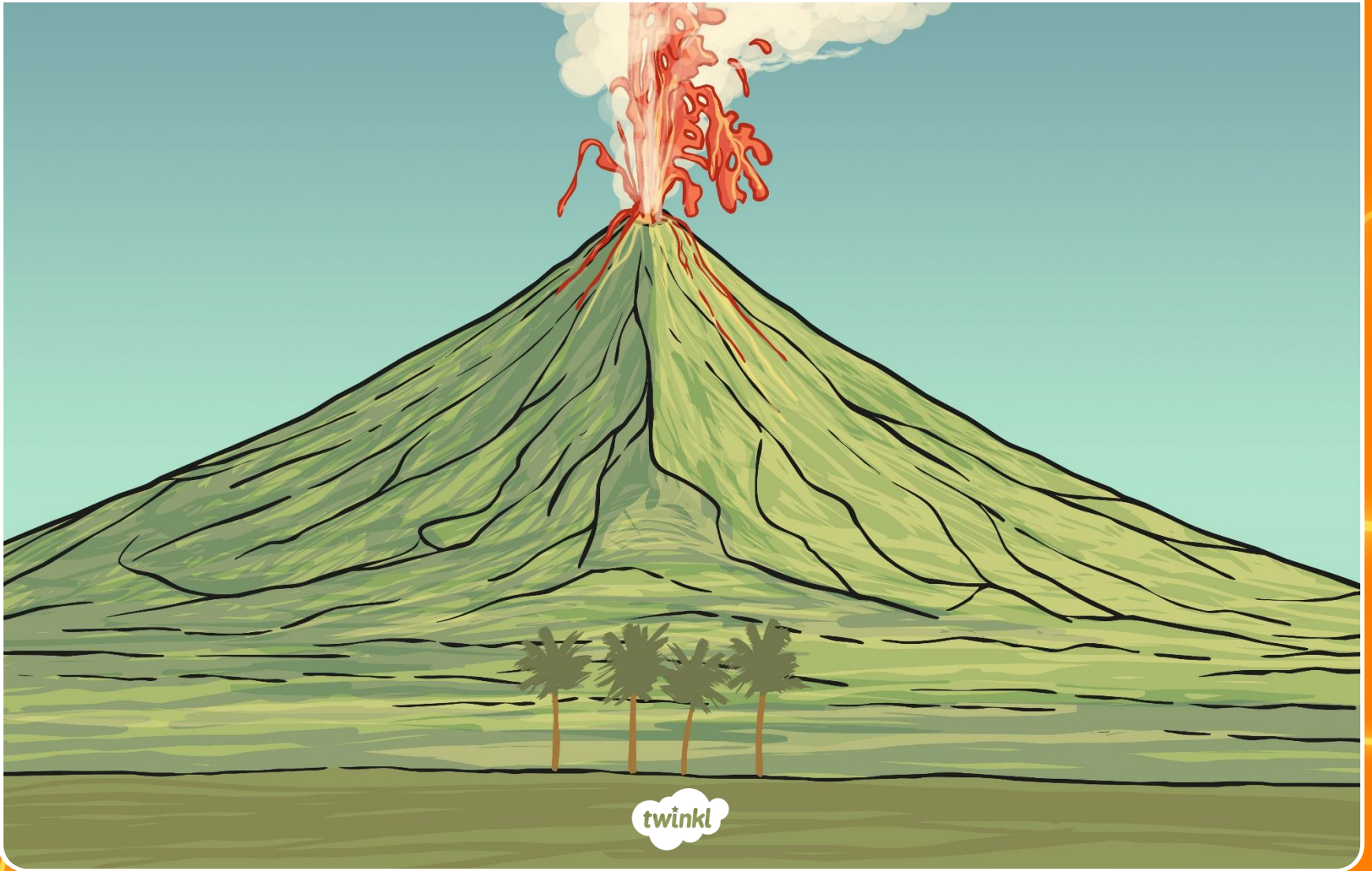
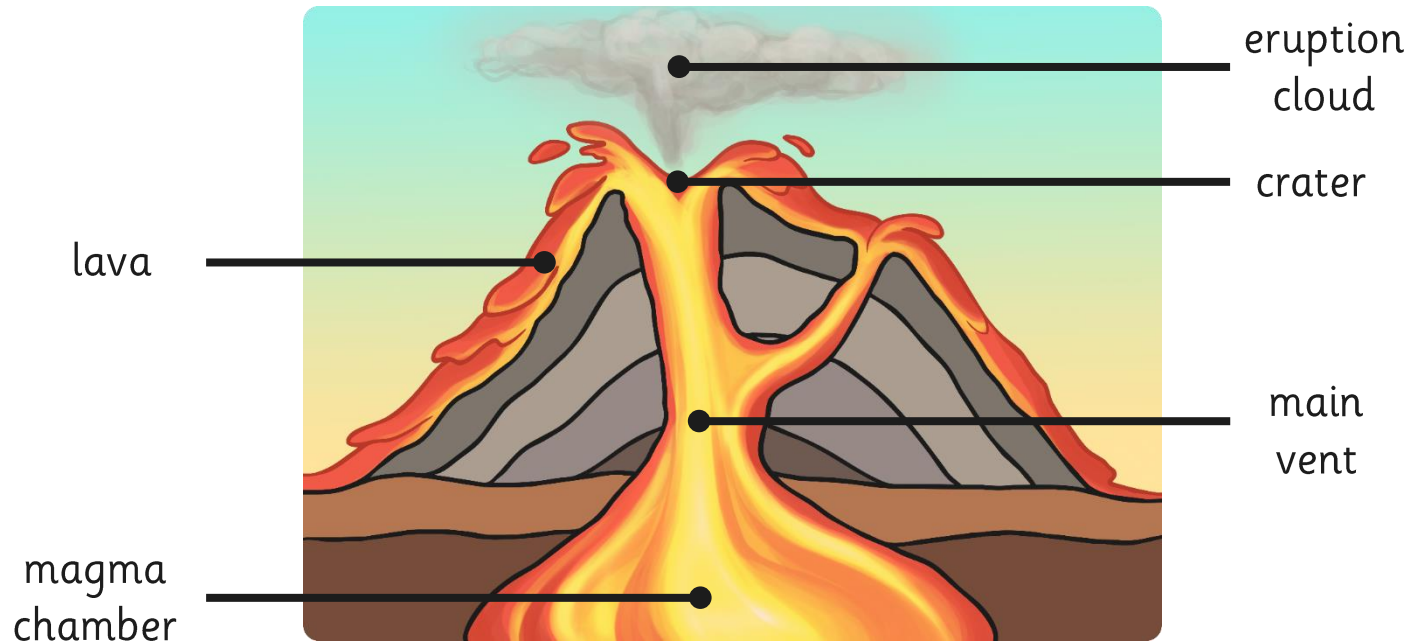


# More Volcanoes



twinkl

# What's it all called?



Can you name the main parts of this volcano?

Can you explain how the grey layers were made?

# Where are most volcanoes located?



Look at this map.

Most of the world's volcanoes are located in the area labelled "Ring of Fire".

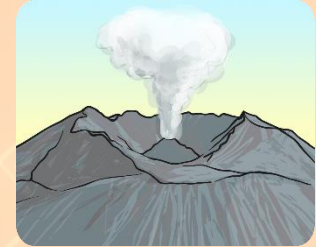
Why do you think it is called that?



# What do they mean?

## active

A volcano that has erupted in the last 10,000 years.



## dormant

A volcano that is quiet but may erupt again.



## extinct

A volcano that has not erupted in the last 10,000 years.





# Would you like to live near these volcanoes?



Photo courtesy of mjsmith01 @flickr.com - granted under creative commons license - attribution

**Would you like to live near  
these volcanoes?**



Photo courtesy of ierdhall@flickr.com - granted under creative commons licence - attribution



# Would you like to live near these volcanoes?



Photo courtesy of Cait\_Stewart @flickr.com - granted under creative commons licence - attribution

1944 Eruption of  
Mount Vesuvius,  
Italy



Pompeii Eruption



What are the  
dangers of living  
near to a  
volcano?





At first it may seem odd that people would want to live next door to a volcano. After all, volcanoes have a nasty habit of exploding and killing people! Yet, throughout history, people have deliberately chosen to risk all the hazards and live near them, even on the slopes of active volcanoes that have recently erupted.



**Why?**



They chose to live close to volcanoes because they felt that the advantages outweighed the disadvantages. Most volcanoes are perfectly safe for long periods in between eruptions, and those that do erupt more frequently are usually thought of, by the people who live there, as being predictable.

Today, about **500 million people** live on or close to volcanoes. We even have major cities close to active volcanoes.

There are several key reasons why people choose to live near these so-called 'hazard zones', let's look at each one...





# Volcanic soil

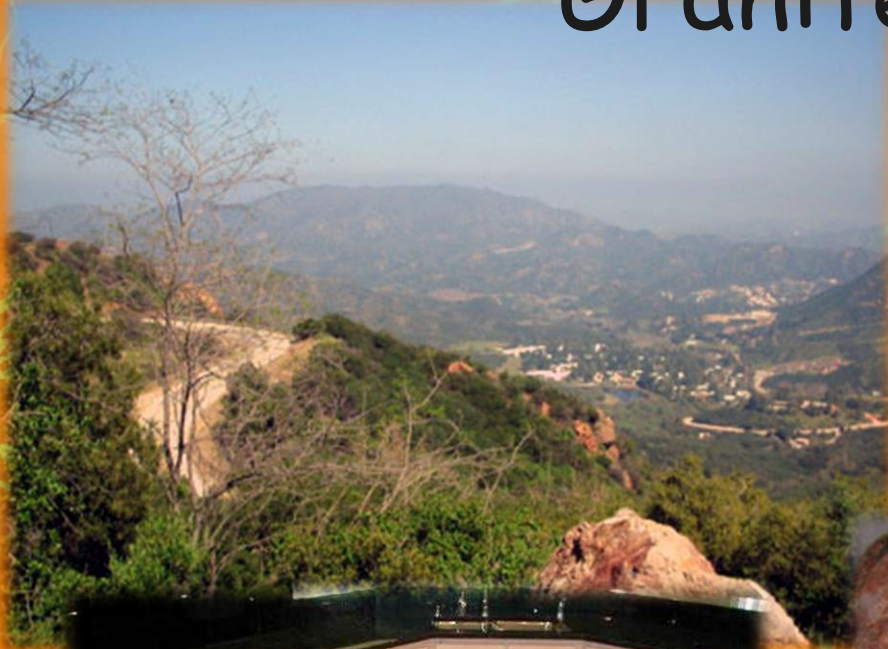


Volcanic soil is extremely nutrient rich and is perfect soil for growing crops such as in Hawaii.



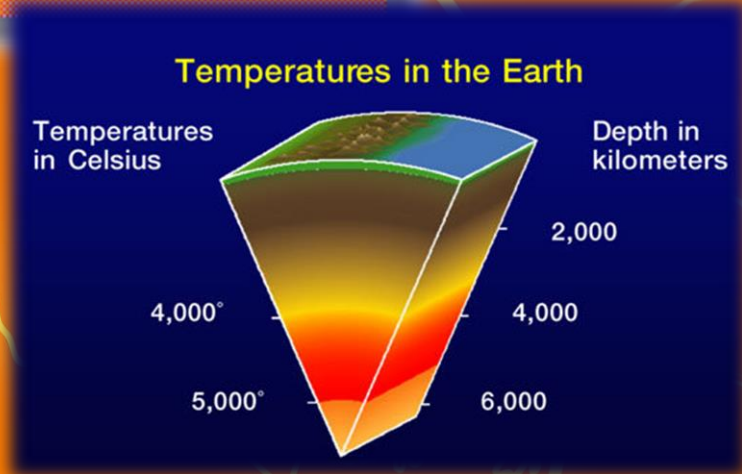
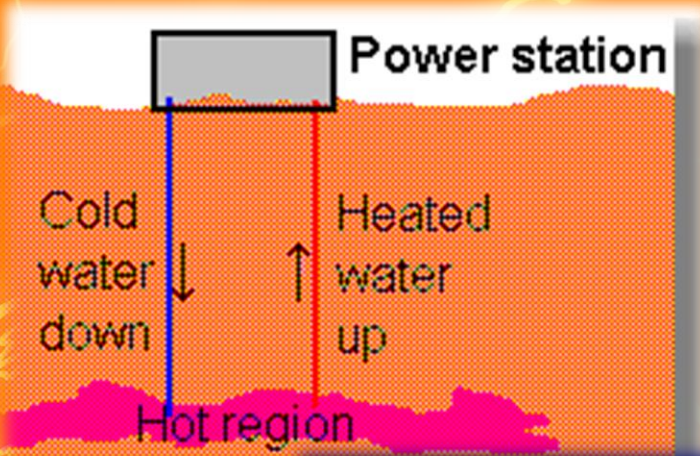
# Granite Stone

Granite is formed through volcanic eruptions, it a very durable building material and is also very valuable.





# Geothermal energy



Geothermal heat is used to generate electricity in some countries, it a very cheap and environmentally friendly way to create energy. This is quite common in countries such as Canada where the temperature can change quite drastically between Summer and Winter.

Watch this video on geothermal energy:

[http://www.youtube.com/watch?v=-ajqiPe\\_9Ko](http://www.youtube.com/watch?v=-ajqiPe_9Ko)

# Diamonds and precious metals



Diamonds and precious metals are sometimes brought to the surface of the Earth in a rare type of magma.



# Tourism



Volcanic locations are often major tourist attractions for some areas and they generate money and jobs for the people living near them such as those living near Mount Vesuvius in Italy.

# Geothermal Spas



Geothermal spas are located near to volcanoes. The water is cooled down and pumped into lagoons where people bathe in the warm nutrient rich waters. Tourists from all over the world come to visit these sorts of resorts.

Watch this video from the 'Blue Lagoon' resort in Iceland:

<http://www.youtube.com/watch?v=pNPSkEHr8ZI&feature=related>





# Are there any volcanoes in the UK?



Photo courtesy of [Duncan]@flickr.com - granted under creative commons licence - attribution

**Arthur's Seat, Edinburgh, Scotland**



# Are there any volcanoes in the UK?



Photo courtesy of MaltaGC (Own work) [CC BY-SA 3.0 (<http://creativecommons.org/licenses/by-sa/3.0/>) via Wikimedia Commons]

**Bardon Hill Quarry, Leicestershire, England**



# Are there any volcanoes in the UK?



Photo courtesy of TS Drown (@flickr.com) - granted under creative commons licence - attribution

**Giant's Causeway, Northern Ireland**



# Are there any volcanoes in the UK?



Photo courtesy of ...Like Clockwork (@flickr.com) - granted under creative commons licence - attribution

**Snowdon, Wales**



# Are there any volcanoes in the UK?



Are these UK volcanoes active?  
Watch this video to find out!



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# Why do people live near volcanoes?



**In your group, sort the cards into two piles:**

**For**

**Against**

Which is the most important reason against?

Which is the most important for?

Do the risks seem worth taking?

Would you want to live near to a volcano?