

Year 3 Geography Knowledge Organiser - Volcanoes

The structure of the Earth

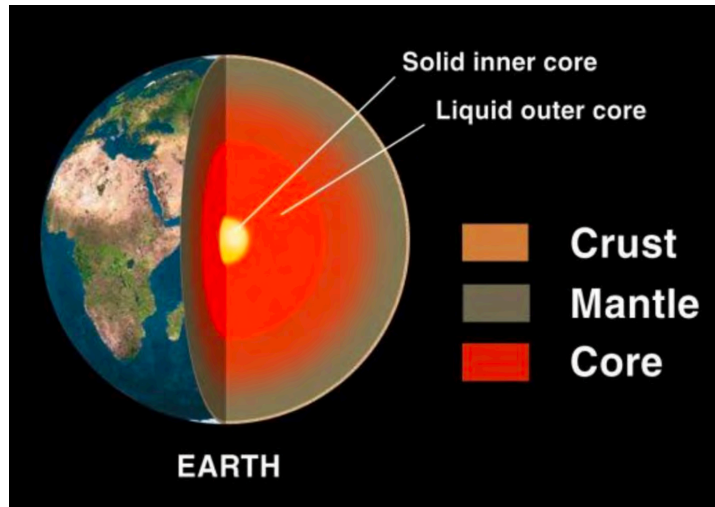
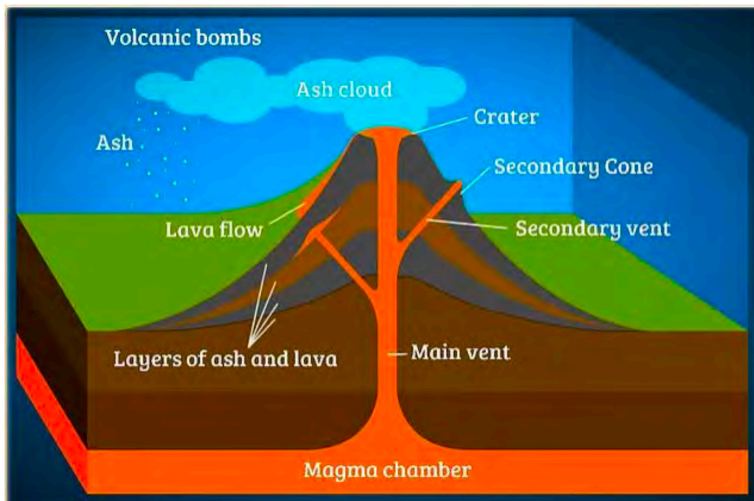


Diagram of how magma flows up through a vent



Describe what is happening in the diagram using as much of the precise vocabulary as you can

Vocabulary

1. Surface	The very outer part of the Earth's crust
2. Mantle	Area between the crust and the core
3. Oceanic crust	A thin part of the crust under the oceans and seas
4. Continental crust	Relatively thick part of the crust: carries the land
5. Core	The centre of the earth
6. Molten	Substances melted to liquid by intense heat
7. Lava	Molten rock erupted onto the surface of the earth
8. Magma	Molten rock under the surface of the earth
9. Viscous	A thick consistency of a fluid
10. Vent	An opening
11. Chamber	A large room or enclosed space
12. Classify	To organise and sort
13. Crater	A large cavity or hollow
14. Dormant	Temporarily not active
16. Lava flow	Destroys everything - can be slow moving or at speed
17. Mud flow	Can travel 100kmh - drowns life in its way
18. Pyroclastic flow	A mixture of hot steam, ash, rock and dust: travels at speed - 200kmh
19. Smother	To completely cover
20. Extinct	Not erupted in recorded history

Mount Etna: Sicily, Italy

1. An active volcano
2. Etna is one of 3 active volcanoes in Italy, including Stromboli and Mount Vesuvius
3. Most active volcano in southern Europe
4. A composite volcano: Over 300 vents
5. 1669 the eruption killed over 2000 people
6. More than 25% of the population of Sicily live around Etna
7. The eruptions, although destructive, enrich the soil
8. Surrounding area of Etna is extremely fertile and great for growing crops, especially lemons and limes - known as citrus fruits
9. Scientists help residents stay safe by identifying warning signs of an eruption:
 1. Increase in temperature
 2. More gases being released
 3. Change in shape of the volcano

Describe where Mount Etna is...

Italy, Island, Sicily, South of, North of, near, range



DID YOU KNOW...?

Since 2001, Mount Etna has erupted every year except 2007, and it isn't just one eruption per year! Small eruptions have taken place in each year.