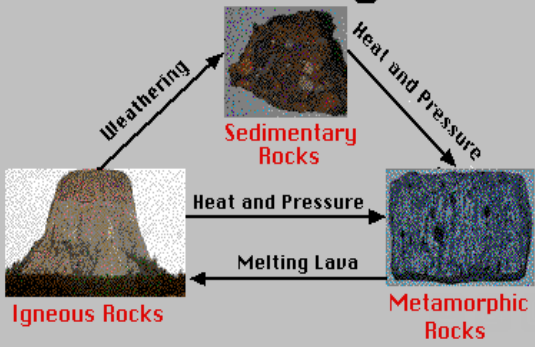



The Rock Cycle



It's Going to Blow!



Volcano
 A volcano is a landform in the Earth's crust where molten lava, hot ash and gases from below the Earth's crust escape into the air.













How Volcanoes are formed
 Magma rises through cracks or weaknesses in the Earth's crust. Pressure builds up inside the Earth. When this pressure is released, e.g. as a result of plate movement, magma explodes to the surface causing a volcanic eruption. The lava from the eruption cools to form new crust. Over time, after several eruptions, the rock builds up and a volcano forms.

Effect of volcanoes on people and the environment
 One in 10 people in the world live within 'danger range' of an active volcano. People can get used to living near a volcano, but it is always a little dangerous. Scientists have estimated that at least 200,000 persons have lost their lives as a result of volcanic eruptions during the last 500 years. People set up homes on the slopes of volcanoes because of the rich, fertile soil produced.

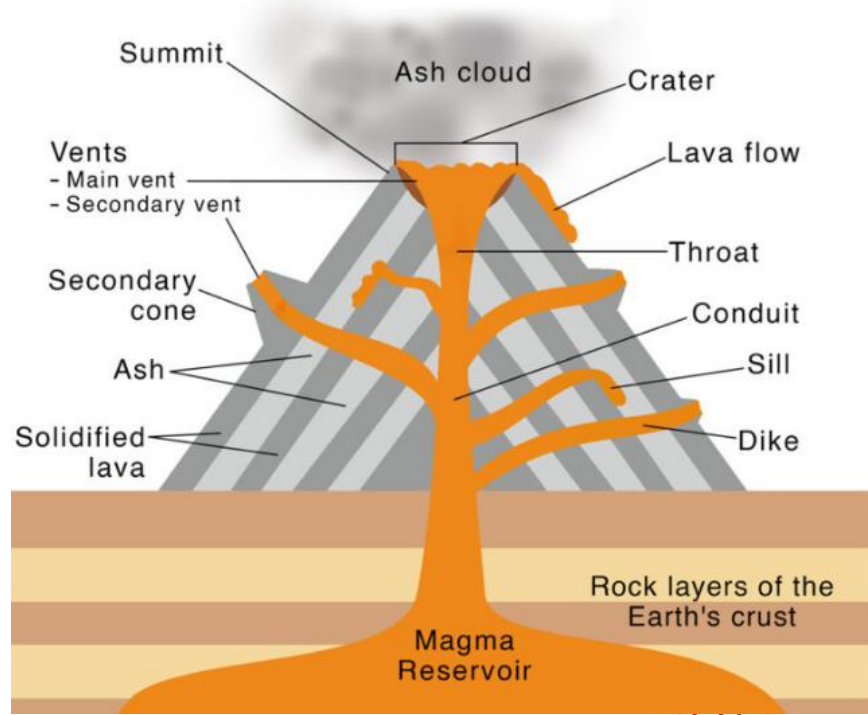
Where are some of the world's most famous volcanoes?
 Mount Vesuvius, near Naples, Italy; Krakatoa, Indonesia; Mount St. Helens, Washington, USA; Mount Tambora, Indonesia; Mauna Loa, Hawaii; Eyjafjallajökull, Iceland; Mount Pelée, Martinique, Caribbean

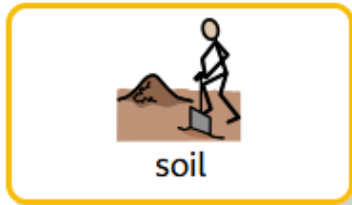
Recommended Volcanic Reads!



IGNEOUS	SEDIMENTARY	METAMORPHIC
 Granite  Scoria	 Sandstone  Limestone	 Marble  Slate
 Pumice  Obsidian	 Shale  Conglomerate  Gypsum	 Quartzite  Gneiss

The word volcano originally comes from the name of the Roman god of fire, Vulcan.





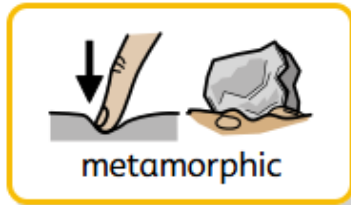
soil



compost



sedimentary



metamorphic



igneous

SOIL LAYERS



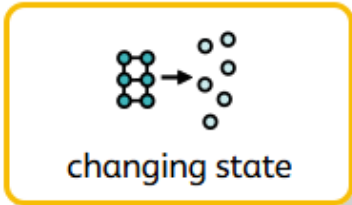
- ORGANIC MATTER
- SURFACE SOIL
- SUBSOIL
- PARENT ROCK
- BEDROCK



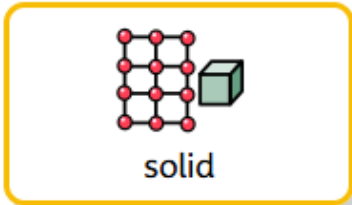
decay



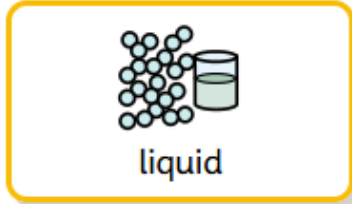
fossil



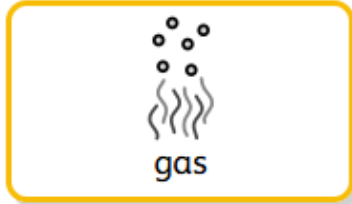
changing state



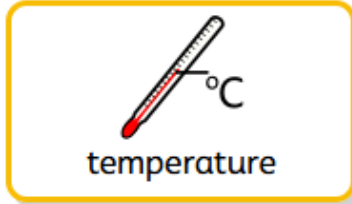
solid



liquid



gas



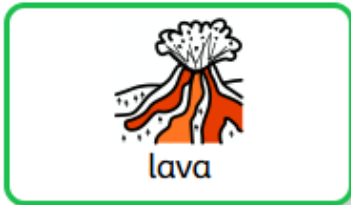
temperature



organic matter



magma



lava



Earth's crust



active volcano



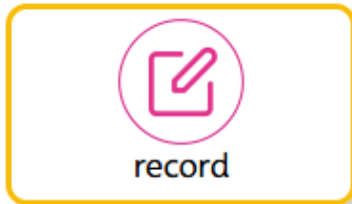
dormant volcano



extinct volcano



observe



record



plan enquiry



evaluate