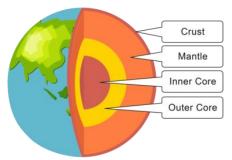
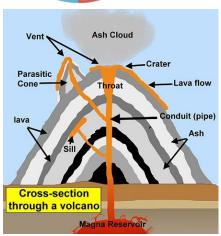
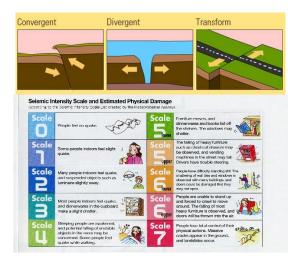
	Describ	e and understand the key aspects of volcanoes a	nd earthquakes.
Key Vocabula			Key Knowledge
Core	The centre of our planet, made of the inner (solid, 6100°C) and outer (liquid, 4400°C) cores.	Crust	Volcanoes occu pressure escape Hot steam, ash,
Mantle	The thickest layer of Earth, between the core and crust. It moves very , very slowly.	Inner Core Outer Core	the volcano in a behind. Lava flows from hard rock. With
Crust	The solid outer layer of Earth, that we live on.		The "Ring of Fir that occur alon ocean.
Tectonic plate	Large, jigsaw-like pieces of the Earth's crust. There are 7 tectonic plates.	Vent Ash Cloud	Despite the dar fertile soil, suita
Magma Magma chamber	Molten rock, under the Earth's crust A large pool of magma under the Earth's surface, under high pressure	Parasitic Cone Throat Lava flow lava Conduit (pipe) Ash	Earthquakes oc slide against ea The Earth's crus fault lines. Energy is releas which can cause
Volcano	A break in the planet's crust, where magma, gases and ash can escape the magma chamber	Cross-section through a volcano Magna Reservoir	Lots of earthqu them as there is earthquakes ha don't feel them
Eruption	. The explosion of steam and lava from a volcano.	Convergent Divergent Transform	Volcanoes and and people:
Lava	Molten rock, that reaches and is expelled from, the Earth's surface.		Buildings can be People lose the
Pyroclastic flow	A cloud of super-heated gas, ash and steam that travels away from the volcano at speeds between 100 and 700 kmh	Seismic Intensity Scale and Estimated Physical Damage (scroot is to the Search Intensity Scale and Estimated Physical Damage (scroot is to the Search Intensity Scale and Estimated Physical Damage (scroot is to the Search Intensity Scale and Estimated Physical Damage (scroot is to the Search Intensity Scale and Estimated Physical Damage (scroot is to the Search Intensity Scale and Estimated Physical Damage (scroot is to the Search Intensity Scale and Estimated Physical Damage (scroot is to the Search Intensity Scale and Estimated Physical Damage (scroot is to the Search Intensity Scale and Estimated Physical Damage (scroot is to the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical Damage (scroot is the Search Intensity Scale and Estimated Physical	Volcanic gases a Lava flow can conduct clouds fro long time, and a
Ash	A mixture of fine rock, glass and mineral particles expelled from a volcano.	Scale Scale And popple indoors feel salpht and separate such as desired of deveraring to be cleared and vending to be cleared and the vending to be cleared and vending to the vending to be cleared and vending	Air travel is dan The San Andrea California. It is towns and citie
Active	A volcano that has had at least one eruption in the past 10,000 years. It may be erupting, or dormant.	Scale Society propie one moviment, and particular disting of undestined and patient failing of undestined and undestined	Volcanoes are r forging.







Key Knowledge:

Volcanoes occur when molten magma and gases under pressure escape through the Earth's surface.

Hot steam, ash, rocks and gases are ejected from the top of the volcano in a pyroclastic cloud. A bowl-shaped crater is left behind.

Lava flows from the volcano and cools, forming a new layer of hard rock. With each eruption, the volcano grows.

The "Ring of Fire" is a chain of volcanoes and earthquakes that occur along the tectonic plate boundaries in the Pacific ocean.

Despite the danger of living near one, volcanoes produce very fertile soil, suitable for farming.

Earthquakes occur when tectonic plates collide, pull away or slide against each other.

The Earth's crust ruptures along these weak points, called fault lines.

Energy is released in seismic waves and the ground shakes, which can cause great destruction and loss of life.

Lots of earthquakes happen every day, but we don't hear of them as there is little destruction. Several hundred earthquakes happen in the UK every year, but are so faint we don't feel them!

Volcanoes and Earthquakes can have a serious effect on land and people:

Buildings can be destroyed.

People lose their lives.

Volcanic gases are poisonous and ash can destroy crops.

Lava flow can cause fires.

Dust clouds from volcanoes can stay in the atmosphere for a long time, and affect weather patterns.

Air travel is dangerous through volcanic clouds.

The San Andreas Fault is a fault line nearly 1,300 km long in California. It is considered dangerous as there are many towns and cities nearby.

Volcanoes are named after the Roman god of fire and forging.

Dormant	A volcano that is not erupting, but is	Famous volcanoes:
	due to erupt again.	Krakatoa – most destructive volcano in history, currently
Extinct	A volcano that has not erupted for	active.
	over 10,000 years and not expected to	Vesuvius – buried the city of Pompeii, very active but
	again. (Ben Nevis/Edinburgh Castle)	currently in a dormant phase.
Crater	A bowl shaped depression at the top	Yellowstone – a "supervolcano" in North America, currer
	of a volcano.	in a dormant phase.
Earthquake	Vibrations of the Earth's crust that	Etna – The highest in Europe and currently active.
	release energy in seismic waves.	Fuji – The highest mountain in Japan, currently dormant.
Fault	A break in the Earth's crust, where	Kilimanjaro – The highest mountain in Africa, currently
	tectonic plates meet.	dormant.
Seismograph	An instrument that can measure the	
	strength of seismic waves.	
Richter scale	A numbered scale, used to tell the	
	power of an earthquake.	
Epicentre	The point on the Earth's surface,	
	directly above the centre of an	
	earthquake.	
Tsunami	A destructive series of waves caused	
	by earthquakes or volcanic eruptions	
	in or near the ocean.	