Our Restless Earth



Looking inside Planet Earth

The **Earth** is divided into three main layers.

- The dense, hot inner core and the surrounding molten outer core
- The mantle (upper and lower)
- The thin outer crust, which supports all life in the known universe.



Convection currents in the Earth's mantle and outer core



CONTINENTAL DRIFT













Over time, pressure builds in the magma chamber forcing magma up through the cracks in the crust's surface. This can occur with explosive force. As a result, an **ash cloud** made up of dust, rocks and other particles is formed.



A crater is formed when the

Well below the surface of the Earth, magma is held within a vast **magma chamber**. Also present are gasses that start to build up pressure over time. When the pressure becomes too great, the magma is pushed out through what is called a **vent** – a type of pipeline that the magma travels through in order to escape.



Parts of a volcano

















