

Science • Rocks



Crucial Knowledge

- Rocks are a natural occurring material.
- Different rocks have different properties and are used for different purposes.
- **Igneous rock** is formed from melted rock deep inside the Earth.
- **Sedimentary rock** is formed from layers of sand, older rock and organic matter.
- **Metamorphic rock** is formed from other rocks that are changed by heat and pressure underground.
- Soil is vital to all living things.
- Soils are made up of pieces ground down rock and organic matter.
- The property of the soil depends on the type of rock, size of rock pieces and the amount of organic matter.
- Fossils are formed in sedimentary rock and take millions of years to form.



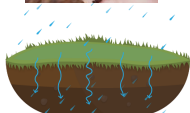
Key Vocabulary



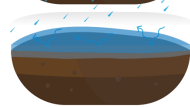
Soil: mixture of plant matter and minerals in which plants grow, can be sandy, chalky or clay



Peat: decayed plant matter formed in bogs



Permeable: allows liquid to pass through.



Impermeable: does not allow liquid to pass through it.

Particle: a tiny portion of matter: the least possible amount

Extinction: when a group of living things stops having any living members

Paleontologist: A scientist who studies fossils.

Fossil: Remains or traces of plants and animals that lived long ago.

Weathering: the breaking down or dissolving of rocks

Molten rock: rock that is so hot it becomes a thick liquid



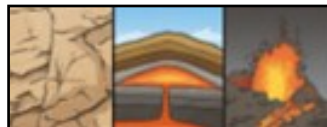
Tectonic plates: huge slabs of rock

Crust: the top most layer of the Earth, made of solid rock



Diagrams / Images

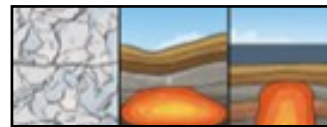
Types of Rock



Igneous



Sedimentary



Metamorphic

Natural Rocks		
Igneous	Sedimentary	Metamorphic
Obsidian	Chalk	Marble
Granite	Sandstone	Quartzite
Basalt	Limestone	Slate



Important People



Volcanologists like **Katia Krafft** are scientists who study the formation and eruptions of volcanoes.



Mary Anning was a fossil collector and paleontologist.

We Are Building Our Knowledge From

- Materials (Y2)

This will help when we learn about

- Evolution and inheritance (Y6)
- Geography: Volcanoes (Y6)