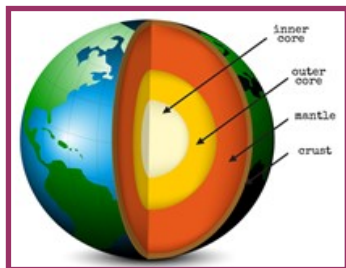
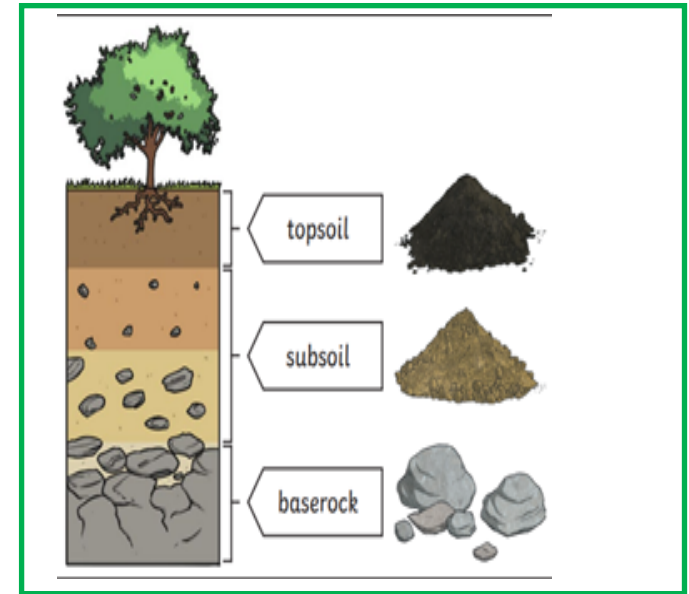


# Rocks and Soils

Year 3 Autumn 1

Key Vocabulary	Definition
Igneous Rock	Rock formed by magma or lava
Sedimentary Rock	Rock that has been formed by the pressing together of layers of
Metamorphic Rock	Rock that started as either igneous or sedimentary but changed due
Permeable	Allows liquid to pass through it.
Impermeable	Does not allow liquid to pass through it.
Natural	Not caused or made humans. Occurs in nature.
Man-made	Made or created by humans.
Fossilisation	The process by which fossils are made.
Erosion	When water, wind or ice wears away land.



## Mary Anning

Born: 1799 in Lyme Regis

Died: 1847 at 47 years old.

Famous for: Discovering the first Ichthyosaur fossil when she was 12 years old.



Natural Rocks			Human-Made Rocks
Igneous	Sedimentary	Metamorphic	
Obsidian	Chalk	Marble	Brick
Granite	Sandstone	Quartzite	Concrete
Basalt	Limestone	Slate	Coade Stone

## Fossilisation

An animal dies. It gets covered with **sediments** which eventually become rock.

More layers of rock cover it. Only hard parts of the creature remain, e.g. bones, shells and teeth.

Over thousands of years, **sediment** might enter the mould to make a **cast fossil**. Bones may change to mineral but will stay the same shape.

Changes in sea level take place over a long period.

As **erosion** and weathering take place, eventually the fossil becomes exposed.

