

Glossary

Erosion - when water, wind or ice wears away the land

Fossilisation - the process by which fossils are made

Igneous rock - rock that has been formed from magma or lava

Impermeable - does not allow liquids to pass through it

Lava - hot molten or semifluid rock that comes out of the ground

Magma - molten rock that remains underground

Metamorphic rock - rock that started out as igneous or sedimentary rock but changed due to being exposed to extreme heat or pressure

Permeable - allows liquid to pass through it

Sediment - natural solid material that is moved and dropped off in a new place by water or wind e.g. sand

Sedimentary rock - rock that has been formed by layers of sediment being pressed down hard and sticking together. You can see the layers of sediment in the rock

Dr Lisa White
is one of only a few
women of colour
geologists.
She has made it part

She has made it part of her career to educate and nuture a passion for science in all students.

There are three types of naturally occurring rock:

IGNEOUS
METAMORPHIC
SEDIMENTARY

Year Three Rocks

There are also some Human-Made Rocks, such as: BRICK, CONCRETE and

COADE STONE



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Soil is the uppermost layer of the Earth. It is a mixture of different things: - minerals (from broken down rock) - organic matter



There are different types of igneous, sedimentary and metamorphic rocks. You can usually sort these rocks according to their properties.











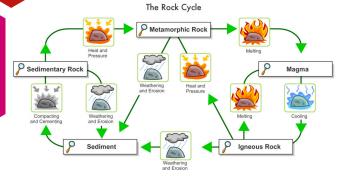
Sedimentaru





Caves are formed when water permeates through the base rock and erodes some of the rock away. Over thousands of years these caves can become very large.

The three naturally occurring rock types are created over time. They all go through a process of heating, cooling, compacting and erosion over time.



How Fossils Were Formed

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.









