



Year 3 – Rocks

Tier 3 vocabulary

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| Igneous | A type of rock that is made when melted rock (magma or lava) cools down and becomes solid. |
| Sedimentary | A type of rock made from small pieces of rock, sand, or mud that settle in layers and stick together over time. |
| Metamorphic | A type of rock that has changed because of heat and pressure inside the Earth. |
| Fossilisation | The process where plants or animals are slowly turned into fossils over a very long time. |
| Soil | Soil is the top layer of the ground where plants grow. It is made of tiny pieces of rocks, dirt, and decayed plants and animals. |
| Geology | The study of the Earth, including rocks, soil, and how the Earth changes over time. |

What is a rock?

A rock is a solid mass of minerals that have joined together over time.

Rocks are natural and not man-made

There are different types of rocks, and the type depends on the minerals that they are made from, and how the rock was made.

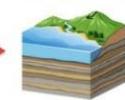


Types of rocks

Igneous rocks



Sedimentary rocks



Metamorphic rocks



How fossils are formed

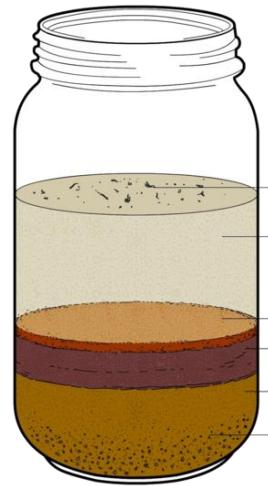
A fossil is the preserved remains or traces of a dead organism and they are usually found in rocks.

Fossils are formed through a process called fossilisation, which takes many, many years to happen and can only happen if the conditions are just right.

Most fossils that are discovered are from creatures that were alive millions of years ago, but fossils can be made of creatures that were alive more recently.



Soil



- Parts of dead animals and plants
- Water with clay particles
- Silt
- Fine sand
- Coarse sand
- Gravel (small stones)

The Fens
(Year 1 / 2)

Biomes (Year 4)