



## Key Vocabulary

Learn these words and their definitions.



Key Word	Definition
igneous rock	A rock made from solidified lava or magma.
sedimentary rock	Rock made when sand, mud and pebbles join in layers.
metamorphic rock	A rock made by changing existing rocks through heat or pressure.
weathering	When rocks get worn away and break due to physical, chemical or biological processes.
acid rain	Rain which becomes acidic as a result of pollution.
soil types	These include clay, chalky and sandy and depend on how they feel and the density of the soil.
fossil	The remains of a prehistoric animal or plant embedded in a rock.

## LKS2 Science Knowledge Organiser: Rocks

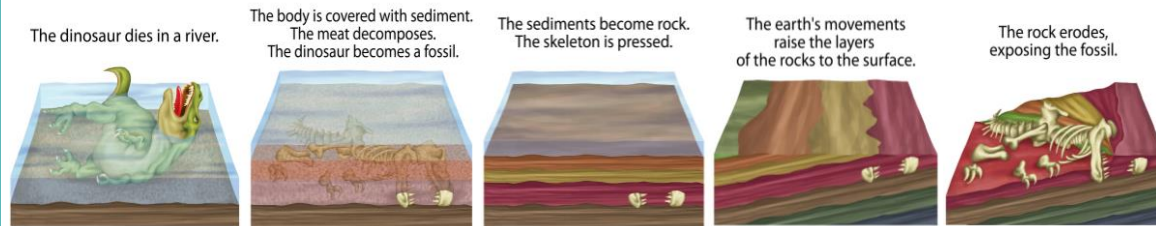


### What is soil made from?



**AIR** – Oxygen, carbon dioxide, nitrogen  
**ORGANIC MATTER** – Living and dead plants and animals.  
**WATER** – Air and water fill the gaps between particles of soil.  
**MINERALS** – Broken down rock.

### How fossils are formed.



## Weathering

**Physical weathering** is when rocks can be broken up by ice, which thaws in the rock and makes it crack.

**Biological weathering** is when plants and fungi, such as lichens and moss grow on the gravestone.



**Chemical weathering** can be caused by acid rain dissolving the rock over many years.

**Rock Type**  
 Rocks react to weathering in different ways. The most common rocks for gravestone are marble, slate and granite.