Y3 Science Knowledge Organiser - Rocks and Fossils

Vocabulary

Texture	What something looks and feels like
Brittle	Easily broken
Hardness	A measure of a rocks resistance to scratching
Reaction	A change, which can be seen with a temperature change, bubbles or a colour change
Weathering	The breaking down of rocks over time
Rock	A natural material found on or underneath the Earth's crust
Shell	A hard covering on he outside of an animal's body
Sediment	Small pieces of soil, sand, gravel and small rocks
Skeleton	A collection of bones 

- **crystals**



- **layers**



- **grains**



fossil – the remains or trace of a living thing that lived a long time ago







- **fossilisation** – the process through which a fossil is formed



As more layers of sediment build up on top, the sediment around the skeleton begins to compact and turn to rock. The bones then start to be dissolved by water seeping through the rock. Minerals in the water replace the bone, leaving a rock replica of the original bone called a fossil.

Types of stones



Granite



Pumice



Sandstone



Chalk



Marble



Gneiss