

# Science— Rocks

## Key Vocabulary

<b>erosion</b>	When water, wind or ice wears away land.
<b>fossilisation</b>	The process by which fossils are made.
<b>igneous rock</b>	Rock that has been formed from magma or lava.
<b>impermeable</b>	Does not allow liquid to pass through it
<b>lava</b>	Molten rock that comes out of the ground.
<b>magma</b>	Molten rock that remains underground.
<b>metamorphic rock</b>	Rock that started out as igneous or sedimentary but change due to extreme heat or pressure.
<b>palaeontology</b>	Study of fossils.
<b>permeable</b>	Allows liquid to pass through it.
<b>sediment</b>	Natural solid material that is moved and dropped off in a new place by water or wind.
<b>sedimentary rock</b>	Rock that has been formed by layers of sediment being pressed down hard, sticking it together.

## Key Facts

Rock can be describe using words such as, hard, soft, permeable, impermeable, durable, high density, low density. Density is a measure of how 'bulky'

Soil is the uppermost layer of the Earth. It is a mixture of different things: minerals, air, water and organic matter (including living and dead plants and

Igneous, sedimentary and metamorphic are the three types of naturally occurring rocks.

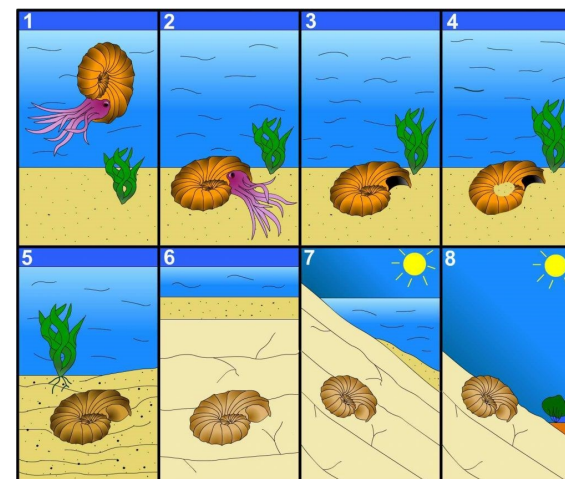
Caves are formed when water permeates through the base rock and erodes some of the rock away. Over thousands of years these caves can become

Fossils are formed when an animal or plants dies and is covered with sediment which eventually becomes rock. This is then covered by more rock. Only the hard parts of the animal remain. Over thousand of years sediment fills the shapes where the bones were. As erosion and weathering take place, these fossils can become exposed.

## Types of Rocks

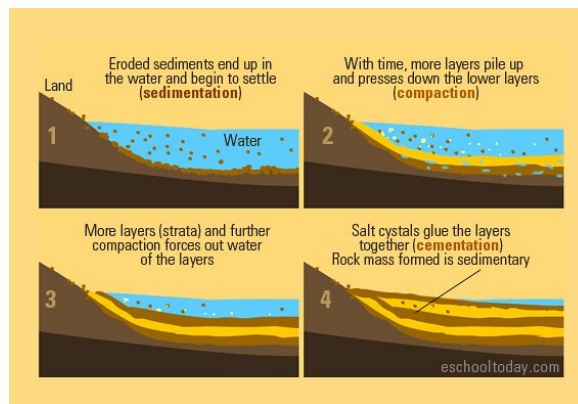
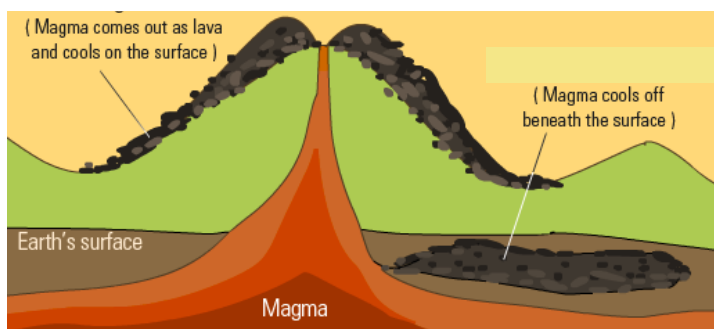
Natural Rocks			Human-Made Rocks
Igneous	Sedimentary	Metamorphic	
Obsidian 	Chalk 	Marble 	Brick 
Granite 	Sandstone 	Quartzite 	Concrete 
Basalt 	Limestone 	Slate 	Coade Stone 

## Fossilisation example

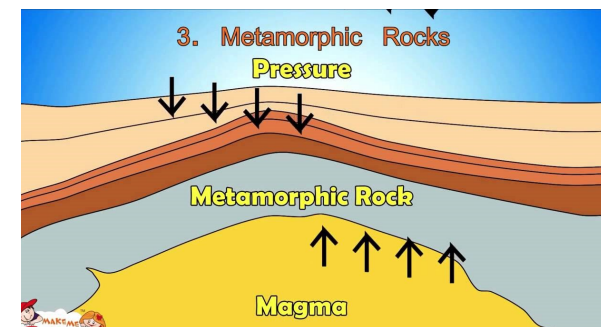


## Formation of sedimentary rock

### Formation of igneous rock



### Formation of metamorphic rock



## Tier 2 Vocabulary

identify

To recognise something and know how it is different from other similar things.

structure

The way in which something is built or organised.