

SCIENCE: Rocks and Soils

Spring B

Year 3

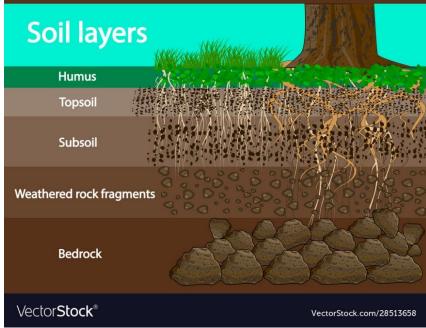


Key Ideas	
Rocks	Solid mineral materials forming part of the surface of the Earth.
Soils	Mineral or organic material on the immediate surface of the Earth.
Fossils	The remains or impression of a prehistoric plant or animal embedded in rock.

Key Questions
How are fossils formed?
What do fossils tell us about the past?
What are the 3 types of rock?
What is soil made from?
What are the 3 layers of soil called?

Key words	Explanation
igneous rock	Rock that has been formed from magma or lava.
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.
Metamorphic rock	Rock that started out as igneous or sedimentary rock but changed due to being exposed to extreme heat or pressure
Magma	Molten rock that remains underground.
Lava	Molten rock that comes out of the ground is called lava.
Sediment	
	Natural solid material that is moved and dropped off in a new place by water or wind, e.g. sand.
Permeable	
Permeable Impermeable	off in a new place by water or wind, e.g. sand.
	off in a new place by water or wind, e.g. sand. Allows liquids to pass through it.
Impermeable	off in a new place by water or wind, e.g. sand. Allows liquids to pass through it. Does not allow liquids to pass through it.





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.









