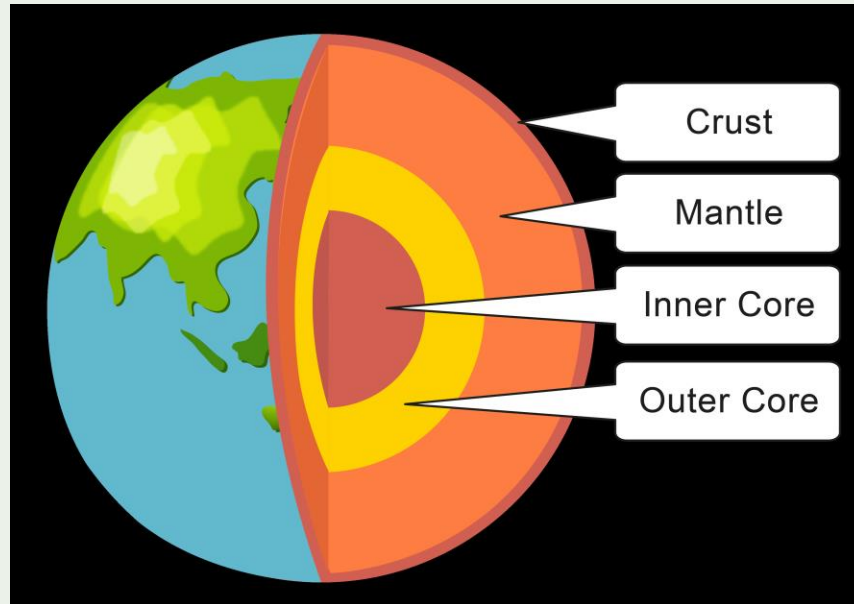


EARTH Earth Structure

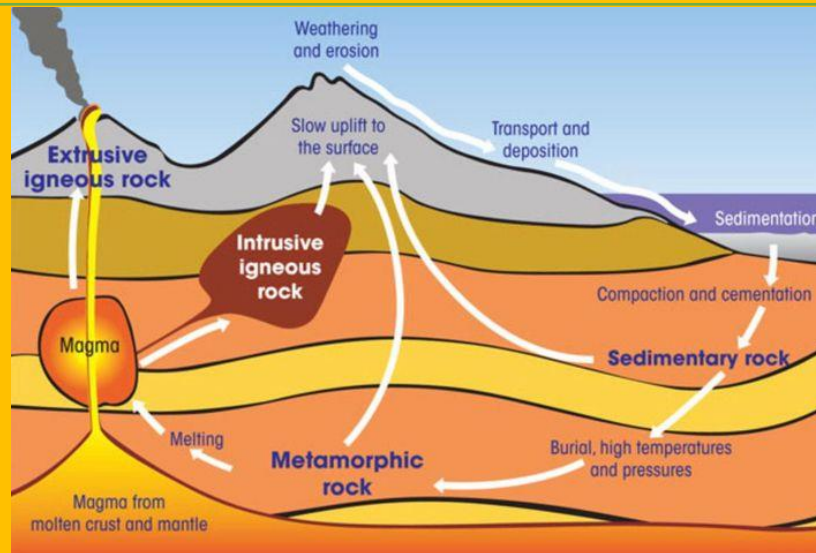
Key words

word	definition
Rock cycle	Sequence of processes where rocks change from one type to another
Weathering	The wearing down of rock by physical, chemical or biological processes.
Erosion	Movement of rock by water, ice or wind (transportation).
Minerals	Chemicals that rocks are made from.
Strata	Layers of sedimentary rock.

Key diagram – Cross section of the Earth



Key process- The rock cycle



Key knowledge

facts

Sedimentary, igneous and metamorphic rocks can be inter converted over millions of years through weathering and erosion, heat and pressure, and melting and cooling.

The three rock layers inside Earth are the crust, the mantle and the core.

Sedimentary rocks are formed from layers of sediment, and which can contain fossils. Examples are limestone, chalk and sandstone.

Igneous rocks are formed from cooled magma, with minerals arranged in crystals. Examples are granite, basalt and obsidian

Metamorphic rocks are formed from existing rocks exposed to heat and pressure over a long time. Examples are marble, slate and schist.

KB Assessment questions

Name the three main layers in the Earth starting on the outside

What is the name for the sequence of processes where rocks change from one type to another?

Name three types of weathering

What is erosion?

What do we call the chemicals that rocks are made of?

Name three examples of sedimentary rock

What is sedimentary rock formed from?

Which type of rock may contain fossils?

What is igneous rock formed from?

Name three types of igneous rock

Which type of rock contains minerals arranged as crystals?

Which type of rock is formed from existing rocks exposed to heat and pressure?

What is the name given to layers of sedimentary rock?

KB EARTH Earth Structure ANSWERS

Crust, Mantle, Core

Rock Cycle

Physical, chemical and biological

Weathering of rock and its movement by water, ice or wind.

Minerals

Limestone, chalk, sandstone

Sediments

Sedimentary

Cooled magma

Granite, basalt, obsidian

Igneous

Metamorphic

Strata