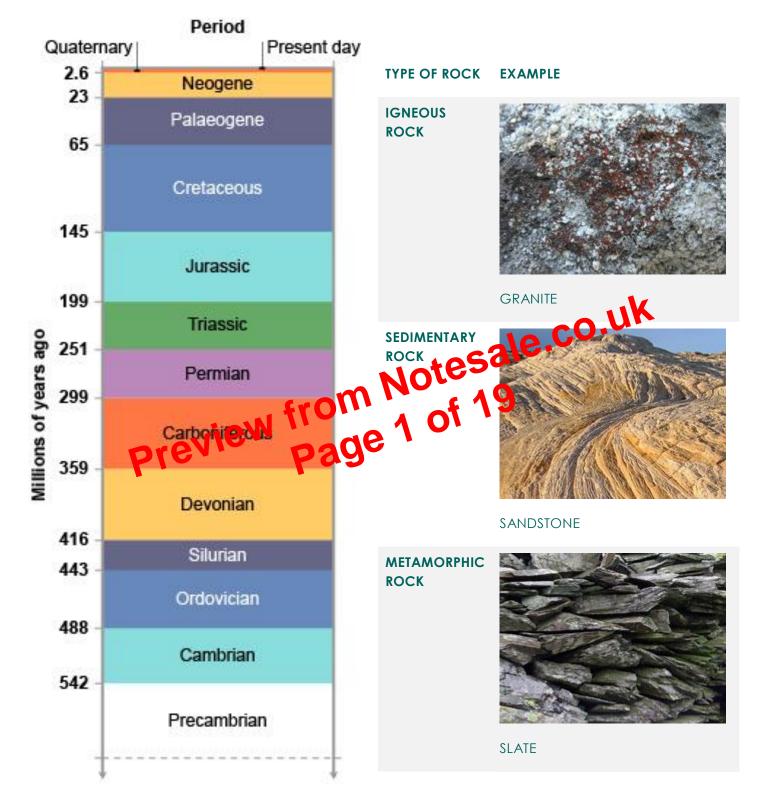
This geological timescale shows when different types of rock were formed. There are three different types of rock, igneous, sedimentary and metamorphic.



Sedimentary rocks

Pieces of broken rock carried by a river are deposited in a lake or sea. The weight of the sediment at the top builds up, squashes the sediment at the bottom, this is known as compaction.

Water is squeezed out of the rock and crystals, the crystals form a glue, which cements the rocks together, this takes millions of years.

Sedimentary rock may contain fossils of plants and animals. Some examples are chalk, limestone, sandstone and shale.





pavement on top of Malham Cove

Metamorphic rocks



Slate Quarry, Cullipool

Earth movements cause the rock to become deeply buried and squeezed. These rocks are heated and or put under great pressure.

They don't melt, but the change chemically and form new rocks, such as:

Marble - which is formed from limestone

The crystals are arranged in layers because of the trees are pressure.

They may contain fossils; however the pressure. ver, the are normally squezed out of shape due to the Preview pressure.