

Key Vocabulary

rock	Rock is a solid material that forms naturally.
human-made	Human-made materials are produced by humans and do not form naturally.
natural	Natural materials form in nature and are not produced by humans.
permeable	A permeable material allows liquid to pass through it.
impermeable	An impermeable material does not allow liquid to pass through it.
weathering	Weathering is the process whereby rocks break down into smaller pieces or wear away over time because of rain, wind, plants or animals.
fossilisation	Fossilisation is the process through which traces or remains of prehistoric living things become preserved.

Natural or Human-Made?

Rock are solid materials that form naturally, which means they form in nature and are not made by humans.



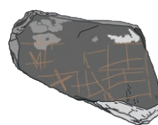
Humans can make materials that look like **rocks** or have similar properties. These **human-made** materials include bricks, cement and tarmac/asphalt.



Rock Properties

Words you might use to discuss the properties of **rock** include hard, soft, **permeable**, **impermeable**, density, texture, porous, grain size, durable (meaning resistant to **weathering**).

Examples of Rocks



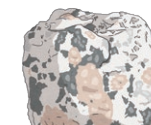
slate



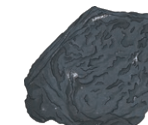
marble



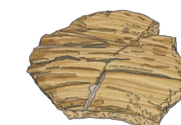
chalk



granite



basalt



sandstone

Types of Soil



chalky



clay-based



loam



peat



sandy



silt

Key Vocabulary

soil

Soil is the top layer of the Earth's surface. It provides nutrients and support for plant life and it is made up of minerals (from broken-down **rocks**), air, water and organic matter (living things that are either dead or alive).

What Is Soil Made Of?

organic materials

water

rock fragments

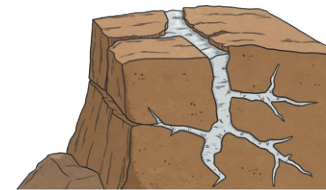
air

Types of Weathering

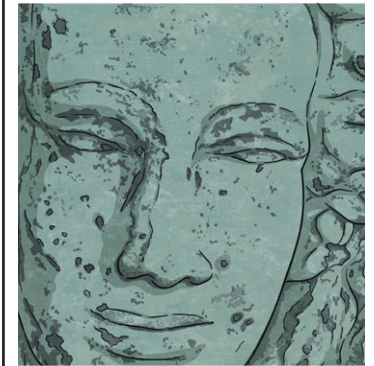
biological – caused by plants or animals



physical – caused by wind, water or ice

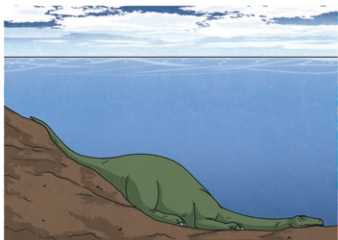


chemical – caused by chemicals in air or water

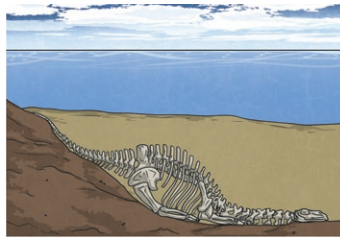


Fossilisation Process

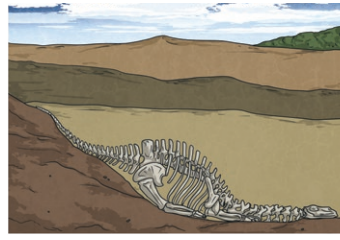
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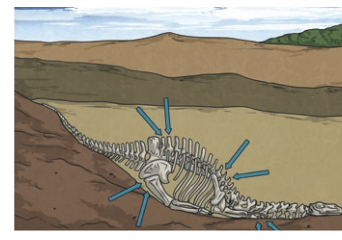
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