



Igneous Rocks

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Rocks that are formed as a result of magma escaping from the mantle and cooling and solidifying on the crust

Sedimentary Rocks

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Rocks that are formed from particles of dead plants and animals that were deposited on sea beds that built up and were compressed and cemented over time

Metamorphic Rocks

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Rocks that are formed when existing rocks are changed by heat and pressure

Basalt

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A black, medium grained igneous rock that was formed when lava spread over the earth's crust and cooled very quickly





Granite

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A coarse-grained igneous rock that contains large crystals of feldspar, quartz and mica

Limestone

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A grey, permeable, soluble sedimentary rock that was formed when particles of shells and fossils were compressed over time

Permeable

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When water can pass through, e.g. limestone

Soluble

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Dissolves in water





Sandstone

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A reddish, coarse grained rock that was formed from compressed sand that was worn away from the crust

Marble

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A rock formed when limestone was put under great heat or pressure

Quartzite

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A white/grey rock formed when sandstone was put under great heat or pressure

Quarrying

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The process of extracting rock from the Earth's surface for use





Renewable Energy

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Sources of energy that can be used again and will not run out, e.g. solar, wind, tidal

Non-renewable Energy

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Sources of energy that cannot be used again and will eventually run out, e.g. coal, oil, gas

Sustainable Exploitation

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Managing resources so that future generations will be able to use them

Irrigation

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Artificial watering of land, e.g. the Central Valley Project, California





**Bord na
Móna**

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Semi-state company
that regulates the
harvesting of peat

Sleán

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Instrument that
was used to cut
turf by hand

Depletion

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When a resource is over-
exploited, leading to a
decrease in overall
amount available

**Cut-away
Bog**

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Bog that has
been completely
harvested





Ditcher

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Machine used to dig trenches in the bog so that the water can be drained

Grader

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Machine that flattens and levels the bog

Miller

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Machine that harvests the peat

Harrow

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Machine that dries the peat





Ridger

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Machine that
gathers peat into
ridges

Raised Bogs

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Deep (up to 8
metres deep) bogs
found in the
Midlands

Blanket
Bogs

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Shallow (3-4 metres
deep) bogs found in
the mountains

Hydroelectric
Power

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Electricity generated
from the energy of
falling water





Solar Power

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Electricity generated
by capturing the
energy of the sun's
rays

Geothermal Power

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Electricity generated
by using the heat
from the Earth's
crust

Tidal Power

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Electricity generated
from the energy of
the rising and falling
tides

Wind Power

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Electricity generated
by the force of
moving wind





Intrusive

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Rocks formed by the cooling of material inside the crust of the earth

Extrusive

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Rocks formed by the cooling of material on the surface of the earth

Sediments

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The matter that settles to the bottom of a liquid.

Fossils

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The preserved impression of a prehistoric plant or animal





Strata

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Parallel layers
of rock

**Bedding
Planes**

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The surface that
separates the
strata of rock

Slate

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A metamorphic
rock used in
roofing

Crystal

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A hard substance
formed by the
solidification of a
liquid due to pressure





Exploit

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Use for business
or industry

Drilling

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The process of extracting an
underground source of oil
or gas by boring through
rock

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