

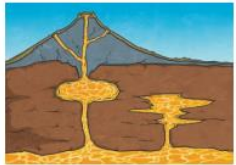
ROCKS – WOODPECKER CLASS

Key Vocabulary

rock	Rock is a solid material made up of one or more type of mineral.
igneous	Igneous rocks are formed from magma or lava. These can be extrusive or intrusive. Extrusive igneous rocks are formed above the Earth's surface, whereas intrusive igneous rocks are formed below the Earth's surface.
sedimentary	Sedimentary rocks are formed when layers of sediment are pressed together over time. You can often see these layers of sediment in the rock.
metamorphic	Metamorphic rocks are formed when igneous or sedimentary rocks are exposed to extreme heat and pressure.
minerals	Minerals are naturally occurring substances found in the Earth. Most minerals have a crystal structure. Examples of minerals include quartz and gold.
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).

Key Knowledge

There are three types of naturally occurring **rock**.



igneous



sedimentary



metamorphic

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**).

Links to previous learning:

Famous scientists and inventors, survival, plants, earth and space, materials

Famous people/places:

James Hutton

Charles Lyell

Alfred Wegener

Inge Lehmann

Examples of Rocks



slate



marble



chalk



granite



basalt



sandstone

Types of Soil



chalky



clay-based



loam



peat

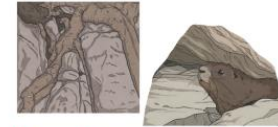


sandy



silt

Types of Weathering



biological – caused by plants or animals



physical – caused by wind, water or ice



chemical – caused by chemicals in air or water

Whats Is Soil Made Of?

organic materials
water
rock fragments
air

Fossilisation Process

1



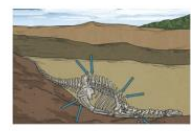
2



3



4



5

