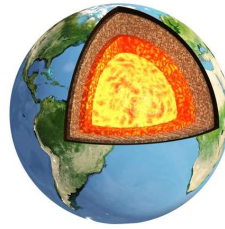




Earth's surface

completely made from rock

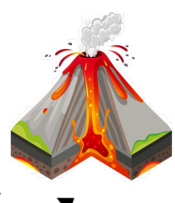
mostly covered by soil



rocks

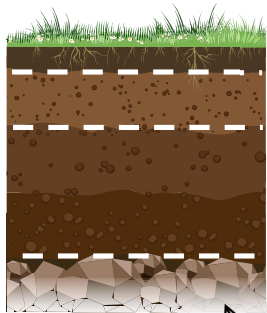
formed from natural material called **minerals**

bricks and cement are NOT rocks

Rock type	Rock names	Made from	Formed
igneous <i>Latin: 'burning hot'</i>	granite  basalt  obsidian 	magma slowly cooled (larger crystals) lava quickly cooled (smaller or no crystals)	 lava molten liquid rock on the surface cools quickly magma molten liquid rock below the surface cools slowly
sedimentary <i>Latin: 'sinking down'</i>	conglomerate (small stones)  mudstone  limestone 	igneous rocks look grainy; some with patterns and lines	broken up and carried away by rivers to the sea deposited in layers and become sediment on the river bed and sea bed compacted and cemented (lots of fossils are found in these rocks)
metamorphic change form	marble  slate 	igneous and sedimentary rocks	squeezed by tremendous forces heated to incredible temperatures

soil is made up of pieces of rock, minerals, decaying plants, micro-organisms and water.

humus remains of plants and animals that have died and are decaying.



top layer
of soil with lots of
nutrients and minerals.

weathered rock
breakdown of rocks
into smaller pieces

solid rock
that soil sits on

fossils

the remains of prehistoric life

1. plant or animal dies
2. buried in sediment
3. bones or imprints are turned to stone
4. sealed in rock



body fossils

actual remains of a plant or animal, usually the hard parts.



trace fossils

footprints, trails, nests or changes to the environment that only living things can cause.

