



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 Latin: 'burning hot'	granite	magma slowly cooled (larger crystals)	 lava molten liquid rock on the surface cools quickly
	basalt	lava quickly cooled (smaller or no crystals)	
	obsidian	lava quickly cooled (smaller or no crystals)	
sedimentary Latin: 'sinking down'	conglomerate (small stones)	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)
	mudstone		
	limestone		
metamorphic change form	marble	igneous and sedimentary rocks	squeezed by tremendous forces heated to incredible temperatures
	slate		

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.