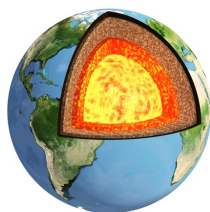

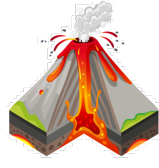














Earth's surface
 completely made from rock
 mostly covered by soil

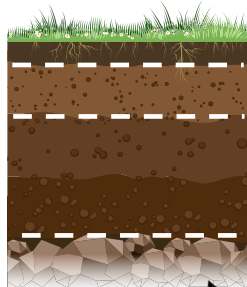


rocks
 formed from natural material called **minerals**
 bricks and cement are NOT rocks

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 		
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.

