

rock	A naturally occurring material made of minerals and can be different sizes: <ul style="list-style-type: none"> stones pebbles boulders 	Holly Berry vocabulary PhD student at University of Bristol Holly is a palaeobiologist. She is researching whether fossils are best for		is hard and does not absorb water
fossil	The bones or other remains of living things are sometimes preserved in rocks as fossils.	Fossils are best for		
soil	Ground up rock mixed with plant and animal remains.	re-establishing a timescale for recent and ancient episodes in our evolutionary history.		

Words to describe the appearance of rocks:

- hard or soft
- texture
- grains
- crystals
- absorb water or not

Soils

The property of soils is affected by the:

- type of rock
- size of rock pieces
- amount of organic matter in it.

Fossil formation

Fossils were formed millions of years ago.

Peat 	- water-logged - contains partially decomposed plant material - soft and easily compressed	1 Plants and animals died and sank to the seabed. 2 The soft parts decayed away leaving the hard parts.	Animal fossil 
Sandy soil 	- light and dry - lots of air gaps so water drains through quickly	3 The hard parts were covered and squashed by many layers of sand and other materials.	Plant fossil 
Chalky soil 	- stony and water drains through quickly - found in areas with lots of chalk	The animal/plant matter dissolves and is replaced by minerals, leaving a replica of the original bone called a fossil.	
Clay soil 	- very sticky when wet - a heavy soil - water does not drain through it quickly		

Types of rocks

Sedimentary

sandstone 	limestone 
chalk 	Chalk is used for drawing because it is crumbly and soft.

Metamorphic

quartzite 	slate 
marble 	Marble is good for gravestones because it does not rub away.

Igneous

basalt 	pumice 
granite 	Granite is good for worktops because it

Rocks – Year 3

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Significant scientists

Mary Anning (1799-1847) 	Mary Anning was an English palaeontologist and fossil collector. She became known around the world for important finds she made in Jurassic fossil beds in Dorset.
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