

Important Questions

1	What are the three different types of rocks?	
2	What are the four different types of matter that soil is composed of?	
3	What is a fossil and how is it formed?	
4	How is soil formed?	
5	Who was Mary Anning and why is she famous?	

Key Knowledge

1	To name the three different types of rocks.	
2	To be able to state the four different types of matter that soil is composed of.	
3	To know the difference between a bone and a fossil.	
4	To know how soil is formed.	
5	To know Mary Anning's contribution to palaeontology	

Vocabulary

1	Igneous	Igneous rock is formed when magma cools and becomes solid.	
2	Sedimentary	Sedimentary rocks are formed by sediment that is deposited over time usually at the bottom of lakes and oceans.	
3	Metamorphic	Metamorphic rocks have been changed over time by extreme pressure and heat.	
4	Formation	How something is made or created.	
5	Palaeontology	Palaeontology is the study of fossils to learn about forms of life.	
6	Fossil	The remains of ancient plants and animals.	
7	Magma	Magma is the hot liquid rock under the surface of the earth. It is called lava after it comes out of a volcano.	

Key Skills

1	To be able to compare different types of rocks by appearance	
2	To be able to make systematic and careful observations	
3	To be able to identify and classify different rocks.	
4	To be able to set up a simple investigation (eg. to investigate the permeability of different soil types.)	
5	To be able to present findings scientifically	

