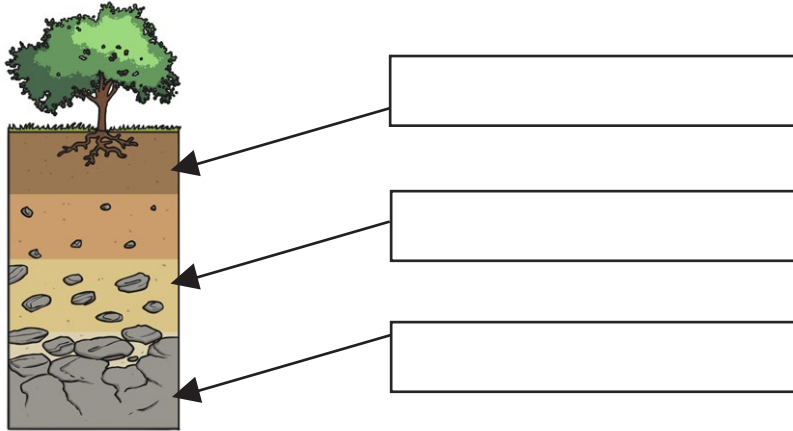


Year 3 Rocks

Soil is the uppermost layer of the Earth. Label the **three** main layers of soil in this diagram.



Metamorphic rock started out as igneous or sedimentary rock but changed due to being exposed to extreme heat or pressure. Tick the group of rocks below that contains **only** metamorphic rocks.

- marble, granite and slate
- marble, quartzite and slate
- marble, granite and basalt

Fill in the missing words.

Soil is a mixture of _____ that come from finely broken-down rock, air, _____ and organic matter, which includes living and dead _____ and animals.

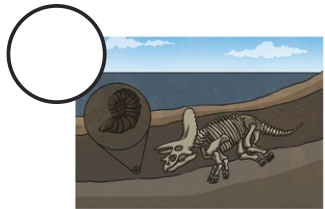
Tick the **two** rocks in the list that are igneous.

- obsidian
- marble
- slate
- granite
- limestone

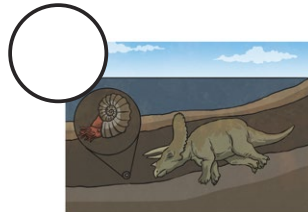
Explain what a permeable rock is.

Year 3 Rocks

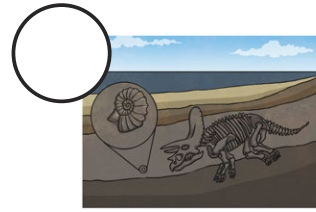
Fossilisation (the process by which fossils are made) is a process that can take millions of years. Can you order the steps of fossilisation by writing the correct number (from 1 to 5) in each circle?



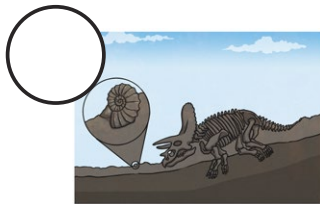
More layers of rock cover it and only the hard parts of the creature remain.



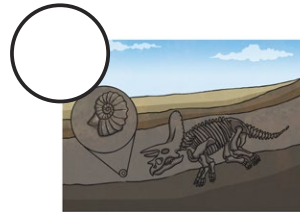
An animal dies and is covered with sediments that eventually become rock.



Sediment enters the mould to make a cast fossil.



Erosion and weathering causes the fossil to become exposed.



Over a long period, changes in the sea level take place.

Select the correct word from the box to complete these sentences.

erodes	formed
become	permeates

Caves are _____ when water _____ through the base rock and _____ some of the rock away. Over thousands of years these caves can _____ very large.

Tick which of these are human-made rocks.

- | | |
|------------------------------------|--------------------------------------|
| <input type="checkbox"/> brick | <input type="checkbox"/> limestone |
| <input type="checkbox"/> quartzite | <input type="checkbox"/> coade stone |
| <input type="checkbox"/> basalt | |
| <input type="checkbox"/> concrete | |

Are these statements about different kinds of rocks **true** or **false**?

Granite is permeable. _____

Chalk is soft. _____

Marble is durable. _____

Limestone is impermeable. _____

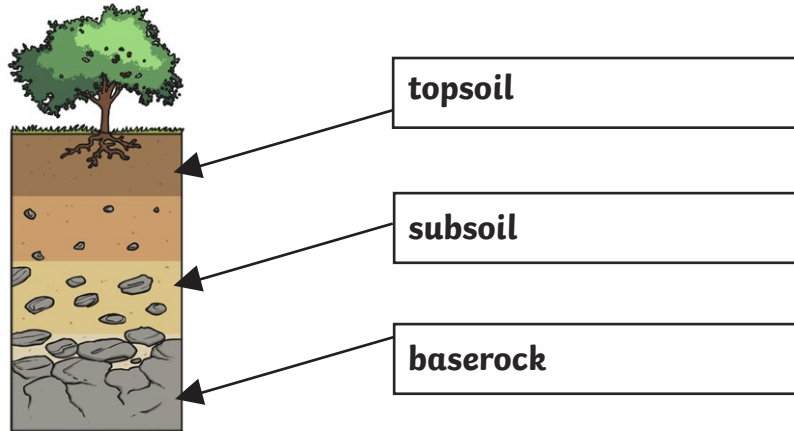
Identify **two** sedimentary rocks from the choices below:

limestone	concrete	chalk
basalt	granite	sandstone

- _____
- _____

Year 3 Rocks Answers

Soil is the uppermost layer of the Earth. Label the **three** main layers of soil in this diagram.



Metamorphic rock started out as igneous or sedimentary rock but changed due to being exposed to extreme heat or pressure. Tick the group of rocks below that contains **only** metamorphic rocks.

- marble, granite and slate
- **marble, quartzite and slate** ✓
- marble, granite and basalt

Fill in the missing words.

Soil is a mixture of **minerals** that come from finely broken-down rock, air, **water** and organic matter, which includes living and dead **plants** and animals.

Tick the **two** rocks in the list that are igneous.

- obsidian
- marble
- slate
- granite
- limestone

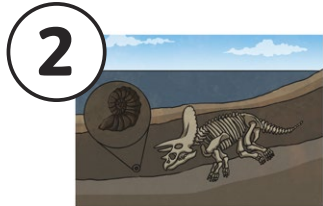
Explain what a permeable rock is.

A permeable rock is a rock that allows liquids to pass through it.

(Accept any answer that contains a similar idea to above.)

Year 3 Rocks Answers

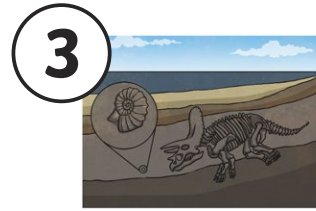
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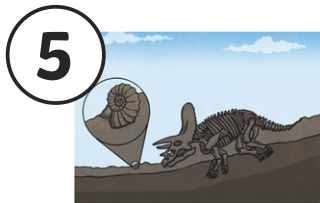
More layers of rock cover it and only the hard parts of the creature remain.



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Over a long period, changes in the sea level take place.

Select the correct word from the box to complete these sentences.

erodes	formed
become	permeates

Caves are **formed** when water **permeates** through the base rock and **erodes** some of the rock away. Over thousands of years these caves can **become** very large.

Tick which of these are human-made rocks.

- | | |
|--|---|
| <input checked="" type="checkbox"/> brick | <input type="checkbox"/> limestone |
| <input type="checkbox"/> quartzite | <input checked="" type="checkbox"/> coade stone |
| <input type="checkbox"/> basalt | |
| <input checked="" type="checkbox"/> concrete | |

Are these statements about different kinds of rocks **true** or **false**?

Granite is permeable. **false**

Chalk is soft. **true**

Marble is durable. **true**

Limestone is impermeable. **false**

Identify **two** sedimentary rocks from the choices below:

limestone	concrete	chalk
basalt	granite	sandstone

Accept answers that include any two of the following:

limestone chalk sandstone