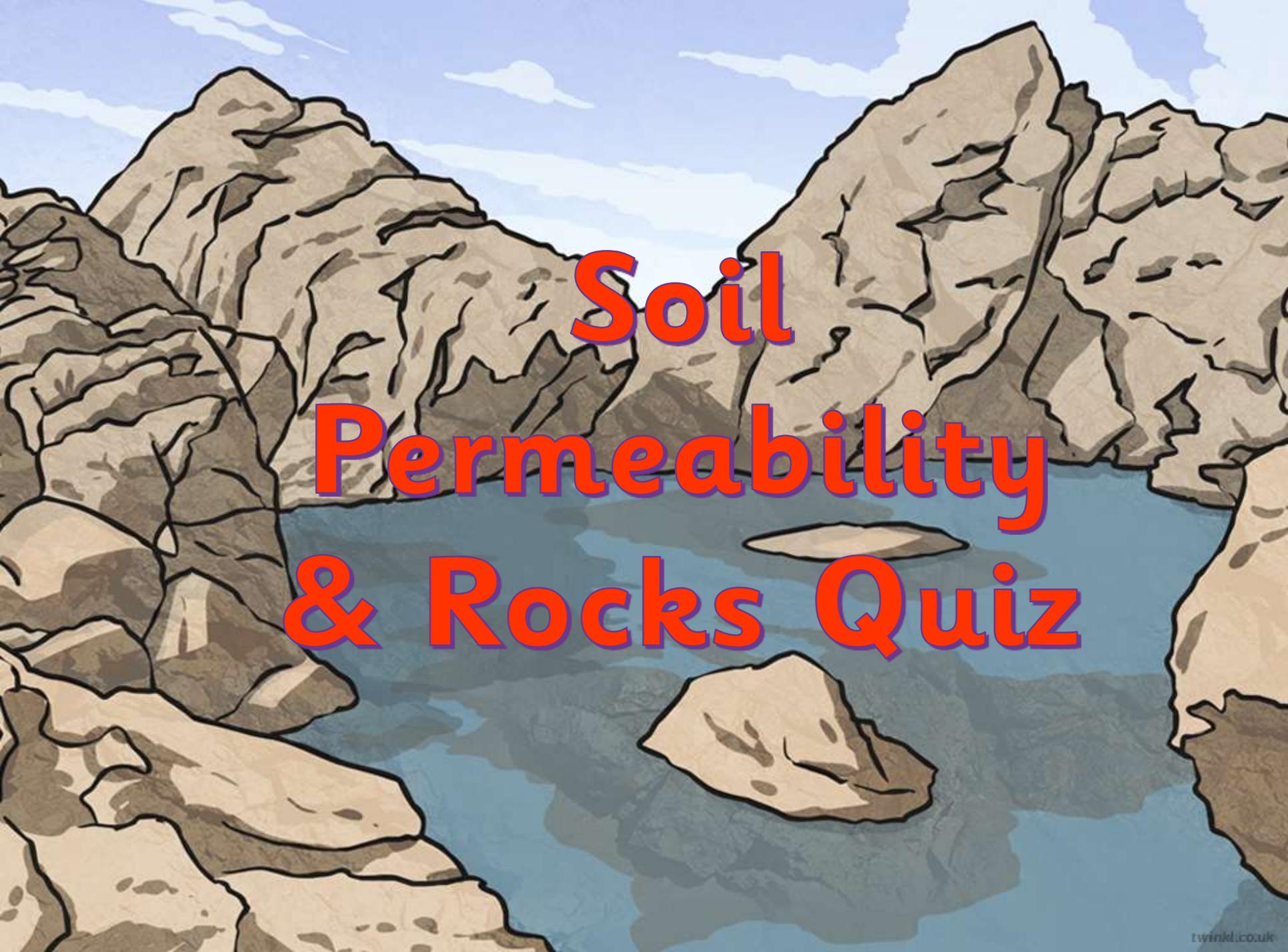




# Science

## Rocks



# Soil Permeability & Rocks Quiz

# Rocks Quiz



How many different types of rock are there?

A

4



B

3



C

5



Reveal  
answer

# Rocks Quiz



Which of the following is not a type of rock?

A Chalk



B Igneous



C Metamorphic



Reveal  
answer

# Rocks Quiz



What is the name of rock that is formed from lava or magma?

A Metamorphic rock



B Igneous rock



C Sedimentary rock



Reveal  
answer

# Rocks Quiz



What type of rock is created on the seabed?

A Metamorphic rock



B Igneous rock



C Sedimentary rock



Reveal  
answer

# Rocks Quiz



What type of rock is granite?

A Metamorphic rock



B Igneous rock



C Sedimentary rock



Reveal  
answer

# Rocks Quiz



Which of the following statements is true?

A Metamorphic rock is formed from sedimentary rock. ❌

B Metamorphic rock is formed from igneous rock. ❌

C Metamorphic rock can be formed from both igneous and sedimentary rock. ✅

Reveal  
answer

# Rocks Quiz



What is permeability?

A

How hard-wearing the rock is.



B

How easily the rock splits.



C

Whether water can pass through the rock.



Reveal  
answer

# Rocks Quiz



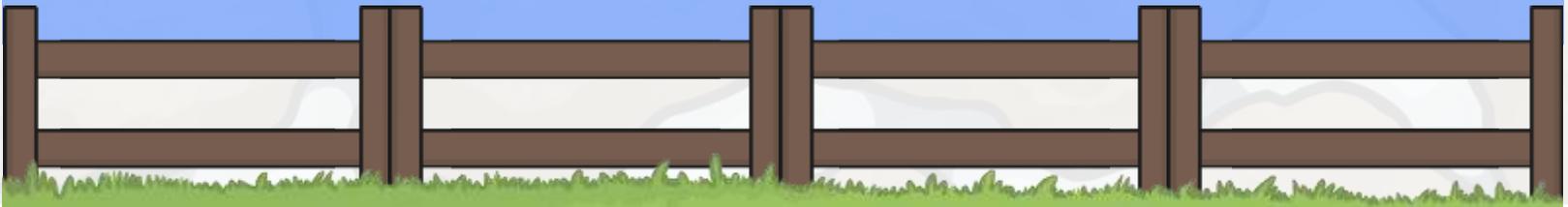
What part do rocks play in forming soil?

How many types of soil do you think there are and why?

Correct Answer: There are hundreds of different types of soil, however there are 6 main types of soil that you will focus on in this lesson.

Why do you think there are hundreds of different types of soil?

Why might soil contain some types of rocks more than others?



# Matching Rocks and Soils



Match soils and the rock(s) they are formed from.

Clay Soil



Clay



# Matching Rocks and Soils



Sandy Soil



Sandstone



# Matching Rocks and Soils



Chalky Soil



Chalk



# Matching Rocks and Soils



Peaty Soil



Peat



# Matching Rocks and Soils



## Loamy Soil



Photo courtesy of Alan Murray-Rust (geograph.org.uk) - granted under creative commons licence - attribution

## Clay, Sandstone and Siltstone



Photo courtesy of Cory Deckerow (@CoryDeckerow) and Ben Sasse (@ben\_sasse) - granted under creative commons

# Comparing Soils



[Click here to watch the Comparing Soils Video.](#)



# Soil Permeability

Just like rocks, soils differ in terms of how permeable they are.

Why does it matter?

We grow much of our food in soil, including vegetables, fruit, wheat and rice. The permeability of soils affects which plants will grow and how well they grow in the particular soil.

When describing the permeability of a material...

Permeable means that liquids flow through it.

Semi-permeable means that some liquid manages to flow through it.

Impermeable means that liquid cannot flow through it.

