

11.02.21

T: Can I create my own rocks and
soils dictionary?

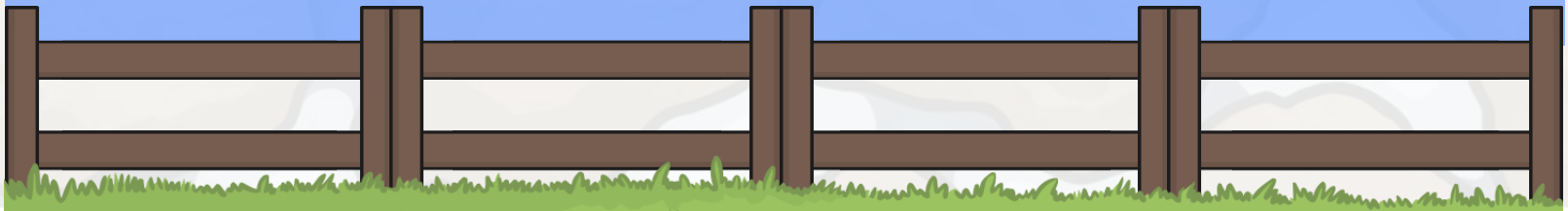
Rocks and soil

What part do rocks play in forming soil?

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

There are hundreds of different types of soil, however there are 6 main types of soil that you will see today.

The next few slides show which soils are made from which rocks.



Matching Rocks and Soils

The soil on the left contains the rock on the right.
Look at the different textures.

Clay Soil



Clay



Matching Rocks and Soils

Sandy Soil



Sandstone



Matching Rocks and Soils

Chalky Soil



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Chalk



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Matching Rocks and Soils

Peaty Soil



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Peat



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Matching Rocks and Soils

Loamy Soil



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Clay, Sandstone and Siltstone

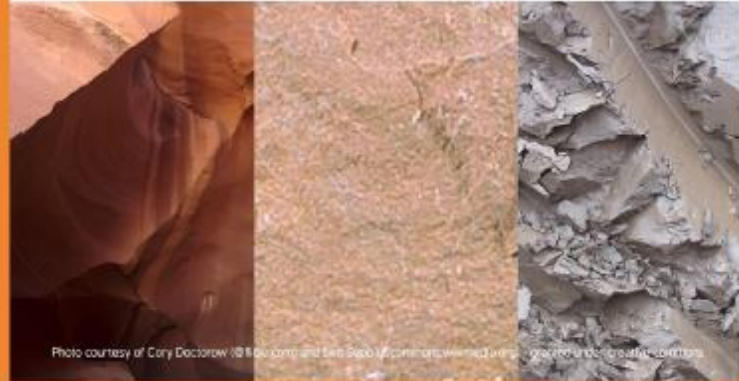


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Comparing Soils

There is a short video linked on the website and Teams which shows how someone compares soils of different textures. If we were in school we would be experimenting ourselves, but watch the video to see how it's done.



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Soil Permeability

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.

Just like rocks (remember the pumice?) 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.

Create your own dictionary

Create your own dictionary explaining all these new words that we have learnt in relation to rocks and soils. You could use the template provided and write on by hand, you might want to type it in Word, or make a PowerPoint to explain what all of these words mean.

Create Your Own Dictionary – Rocks and Soil

Write a definition for each of the words listed.

Write the definitions as if they were for a dictionary, but do not copy the definition from the dictionary.

If a word isn't in the dictionary, use what you already know to create a definition.

Remember that words in a dictionary are always in alphabetical order.



soil
texture
granite
stone
pebble
marble
surface
permeable
rock
fossil
mountain
cliff
sand
clay
chalk

