

3D ROCKS AND SOILS

Glossary

drainage – a property of soil, whether it allows water to pass through easily or not

mineral – a substance which is taken out of the ground e.g. iron ore is mined and manufactured into metal products

particles – very small pieces of a substance

permeable – lets water through

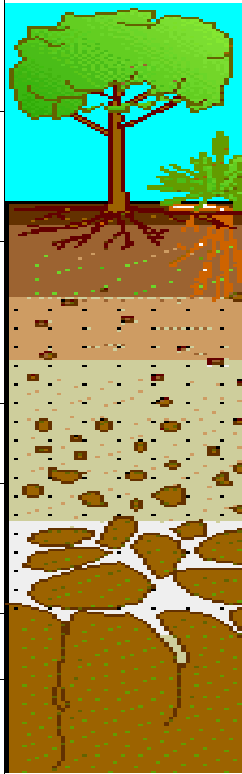
non-permeable – does not let water through

sand – small rounded particles of rock

soil – natural material made when rocks are worn away - contains different sized particles of rock, animal and plant matter and air

types of rocks – e.g. very hard - granite, hard – slate and marble soft – chalk, sandstone and limestone

types of soil – clay, sandy, loamy etc. The colour and properties of the soil are changed by the base rock the soil is made from



Layers of soil

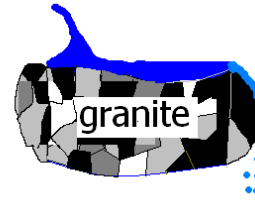
top soil

sub soil

base rock



soil



Non-permeable

rocks have no spaces between the **particles**, so water cannot pass through

Permeable

rocks have spaces between the **particles** that allow water to pass through.

Tests to identify rocks;

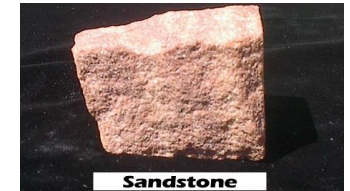


Acid test – dropping a little acid on it to see if it fizzes.

Scratch test – to see how hard it is



Permeability test – does it absorb water?



Sandstone



Marble



Chalk



Granite



Slate

Some common types of rocks