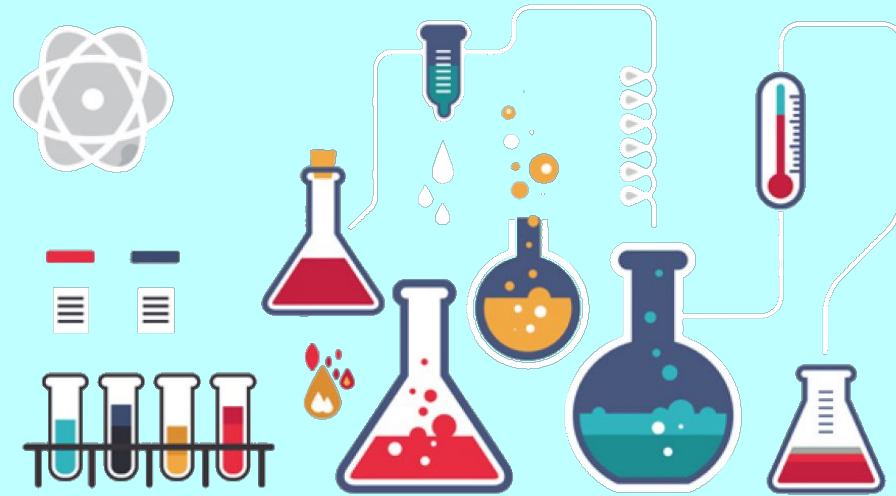
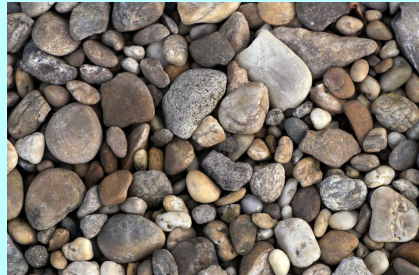


Science



*Our science topic this half term is
rocks and soils.*




L.O: To recognise there are rocks
under all surfaces.

Success Criteria:

1. I can recognise that there is rock under all surfaces.
2. I can label the different layers of soil
3. I can describe the internal structure of the Earth in simple terms.

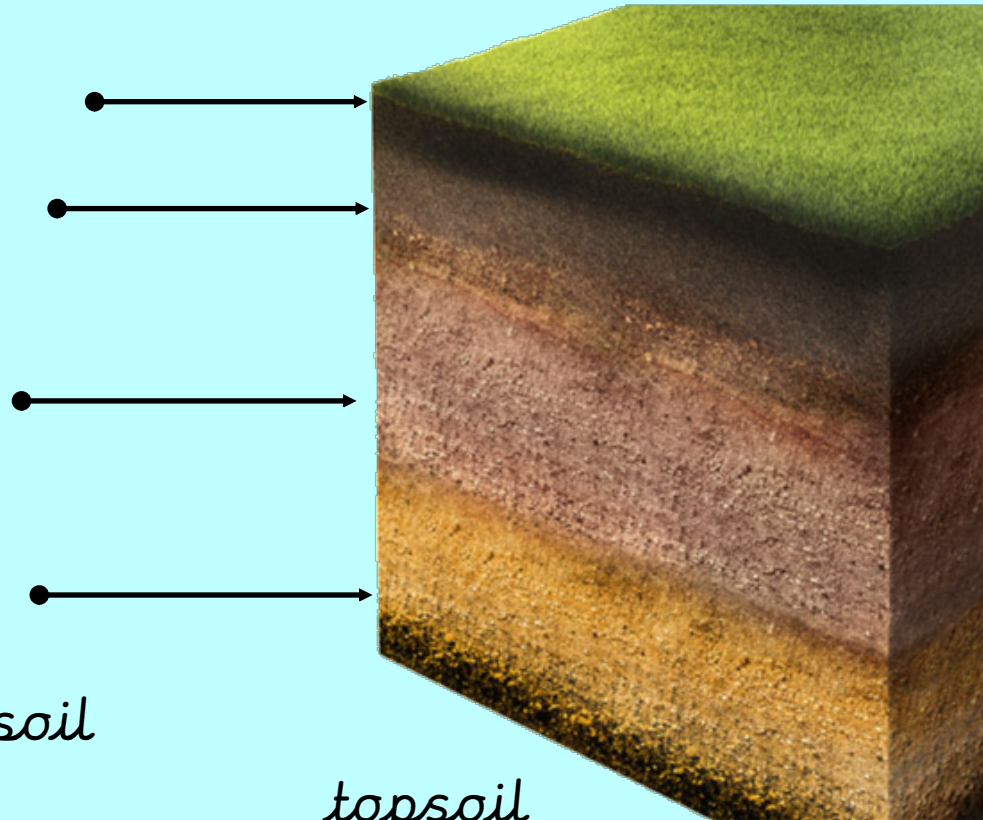
What do think is below the
ground?

If we dug a deep hole and
kept digging and digging...
what would we find?

 <https://www.youtube.com/watch?v=bgqea0E2eAY&t=67s>

Layers of the earth

Can you match the label to the diagram?



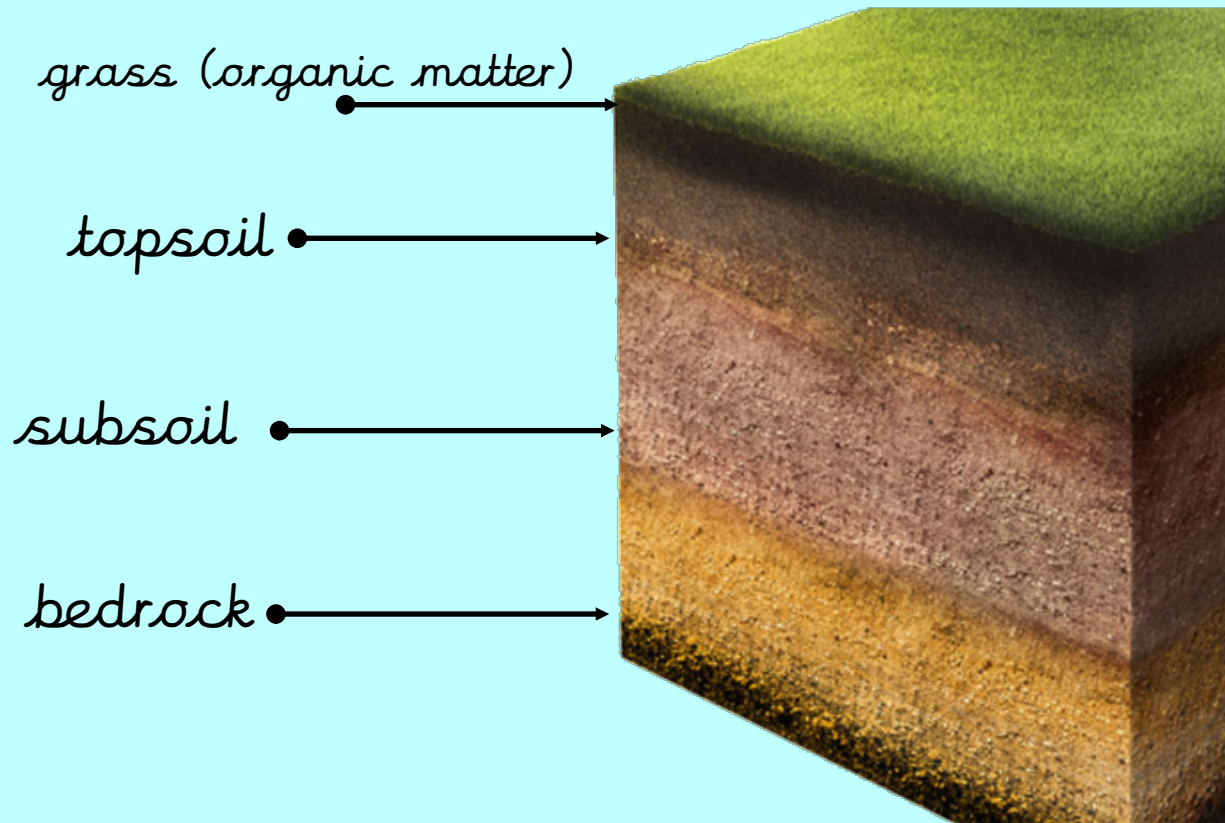
subsoil

bedrock

topsoil

grass (organic matter)

Layers of the earth



Soil layers in a cup!



Can you have a go at making the layers of soil in a cup?

Soil layers in a cup!



Materials:

- Clear plastic cup
- chocolate chips (bedrock)
- chocolate yoghurt/mousse (subsoil)
- crushed oreo biscuits (topsoil)
- shredded coconut (organic material)
- green food coloring (organic material)
- gummy worms (organic material)

Or choose your own edible materials!

Soil layers in a cup!

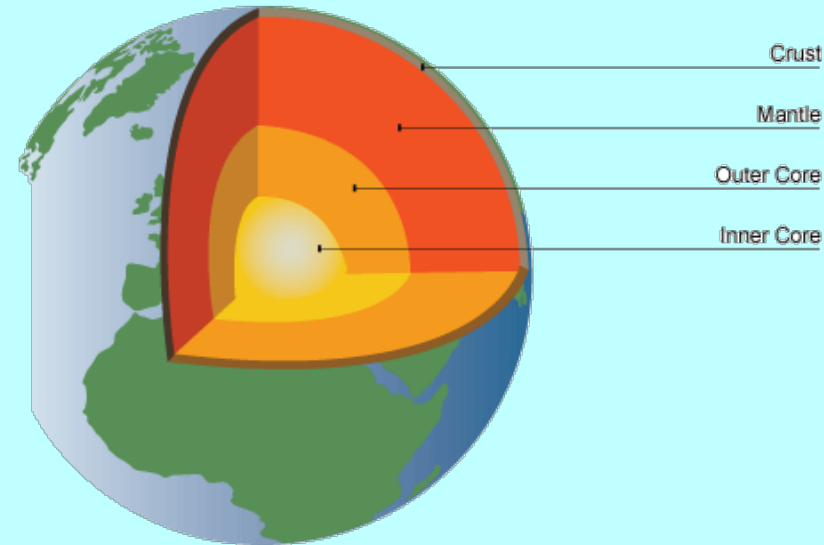


Here are some food items you could use for a more nutritious alternative: almonds or another small-type of nuts for the bedrock, yoghurt for the subsoil, granola for the topsoil, and several berries for the organic matter on top.

What is beneath the Earth's surface?

<https://www.youtube.com/watch?v=WjXSCumeqxo>





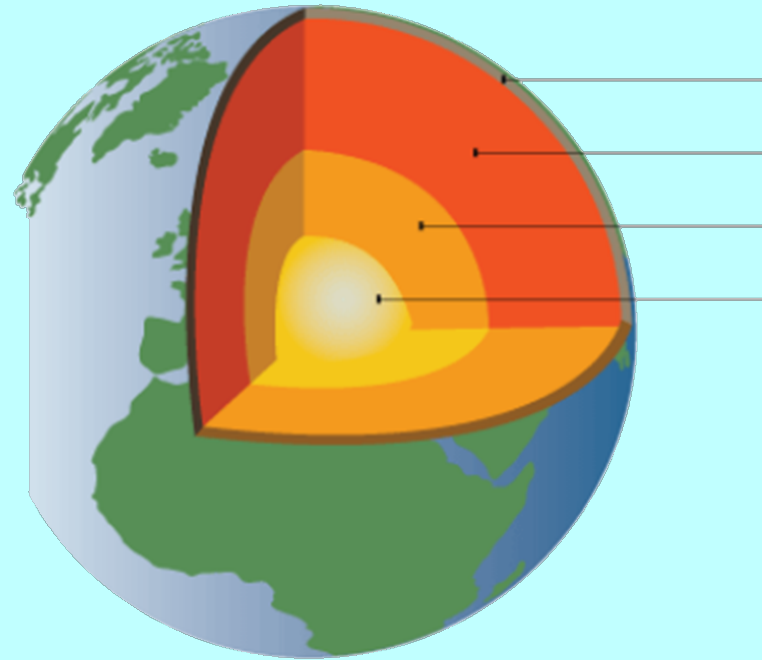
The crust is the thin outer layer of cold hard rock that covers the world (10km-90km thick).

The mantle (extremely hot rock that often flows like treacle) is 3,000 km thick.

The core, which is made of metal, is hotter than the mantle.

So the material that planet Earth is made of is rock, wherever you stand on earth there is rock beneath you.

Can we match the label to the diagram?



mantle

outer core

inner core

crust

Can we match the label to the diagram?

