

KEY VOCABULARY

Geologist—Someone who studies rocks.

Particle—A piece or bit of soil, differing in size.

Organic Matter—The remains of dead plants and animals.

Permeable—Allows gases and liquids to pass through.

Impermeable—Does NOT allow gases and liquids to pass through.

Sedimentary— Rock made from sand, pebbles and shells. Most likely to contain fossils.

Igneous—Rock made from magma deep in the earth that cools and hardens.

Metamorphic—Rock formed under extreme pressure

Fossil—The remains of a plant or animal embedded in rock.

Fossilisation—The process of the remains of an animal or plant becoming preserved in rock.

You might like to...

- Investigate different types of rock.
- Look for evidence of fossils in your local area.
- Identify which plants grow best in different types of soil.

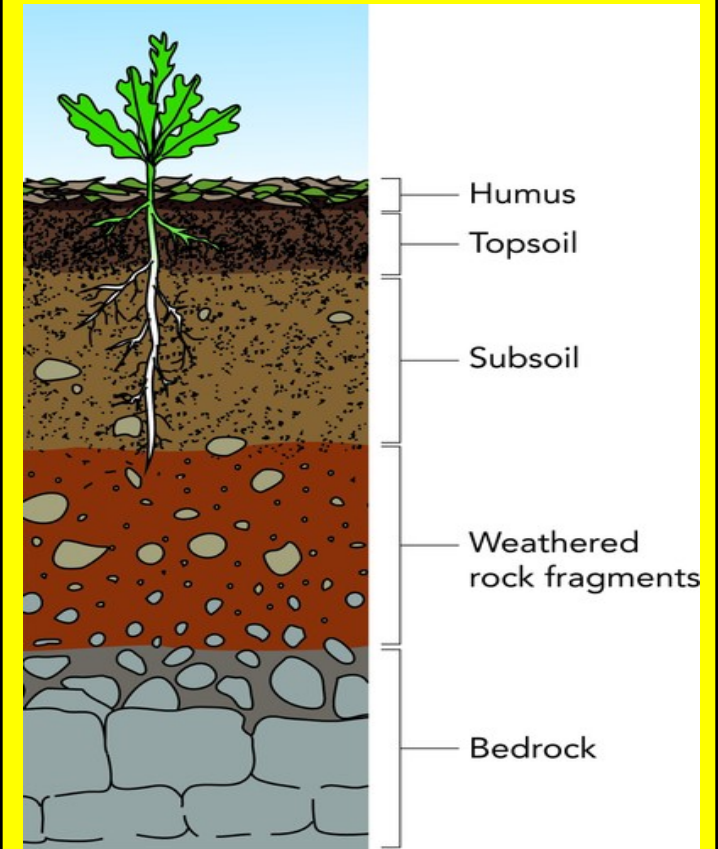


The oldest known fossils were found in Greenland. They are thought to date back 3.7 billion years.

Rocks have been used by humans for millions of years, from early tools and weapons through to various construction materials.

Soil is like a cake made from lots of different things. Soil consists of crumbling rock or sand, clay, dead plant and animal remains, fungi and even manure. It also contains lots of tiny creatures, such as earthworms. Earthworms turn the plant and animal material into nutrients.

Diagram/Timeline



Further Reading

<https://easyscienceforkids.com/all-about-fossils/>

QUESTIONS TO DEEPEN YOUR LEARNING

Character	Critical Thinking	Creativity	Communication	Citizenship	Collaboration
Which parts of this do I need to try harder to understand?	Why do I need to know about this?	What am I curious about?	How could I present what I understand?	How could this information help people?	What can I learn from others about this?