WHY DO PORTON Plants need Soil?



Nerolyn Kama Narrabri Public School



Enviro-Stories

Enviro-Stories is an innovative literacy education program that inspires learning about natural resource and catchment management issues. Developed by PeeKdesigns, this program provides students with an opportunity to publish their own stories that have been written for other kids to support learning about their local area.

www.envirostories.com.au

Cotton Research and Development Corporation

Cotton Research and Development Corporation (CRDC) is a partnership between the Australian Government and the Australian cotton industry. CRDC invests in and manages a portfolio of research, development and extension projects that seek to enhance the environmental, social and economic values associated with cotton production systems for the benefit of cotton industry participants, regional communities and the Australian people.

www.crdc.com.au

Why do plants need soil?

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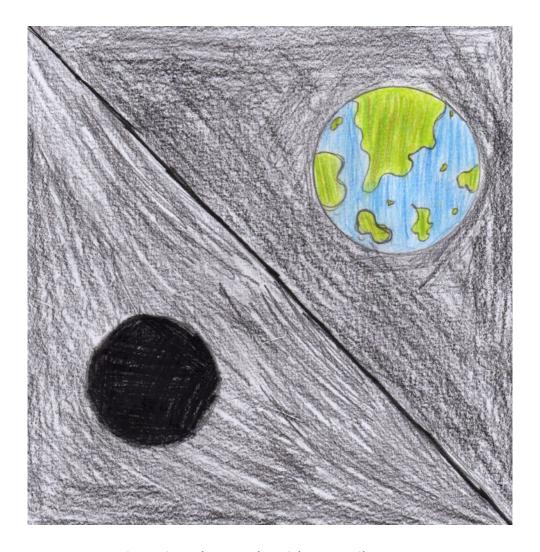
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Can you imagine the Earth without soil?

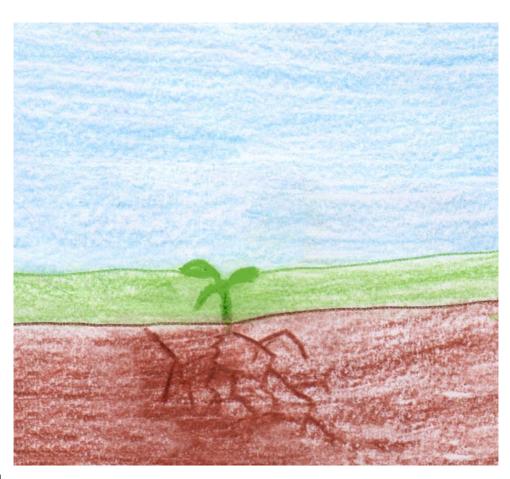
You probably wouldn't be able to because there would be nothing at all.

Soil is very important to the Earth because plants need it to survive and humans need plants to survive too. Plants deliver oxygen to humans and without oxygen we would die. So without any plants there would be no life at all.



Some of the ways soil is important to plants are:

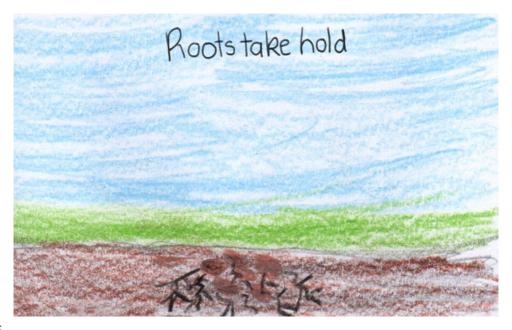
- It helps seeds to germinate
- It provides physical support for plants to grown on
- It provides nutrients for plants to grow
- It holds water for plants to drink from
- It helps in recycling dead plants and animals







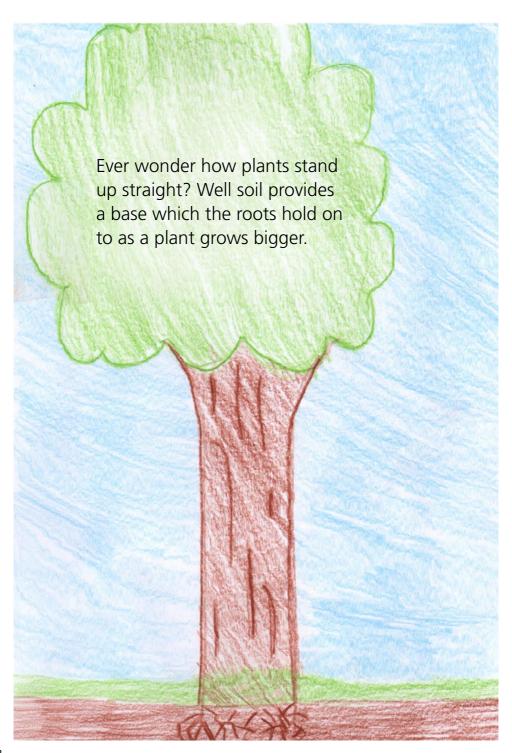
It's fascinating how soil works in many different ways, especially how it helps a seed to grow. When these seeds are planted they first grow roots.

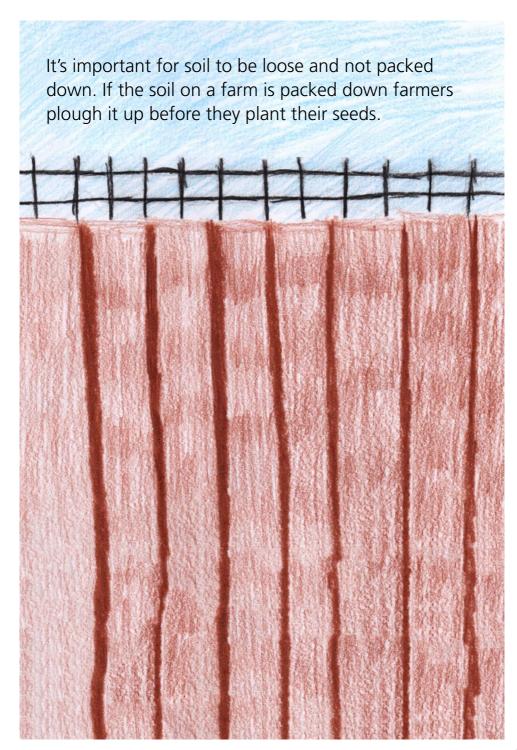


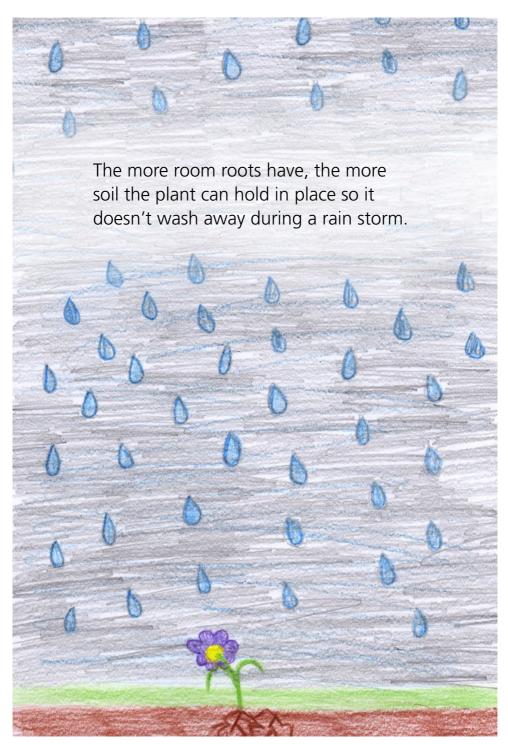


Once these roots take hold, a small plant will begin to emerge and eventually break through the soil. When this happens we say the seed has sprouted. This process is called germination.

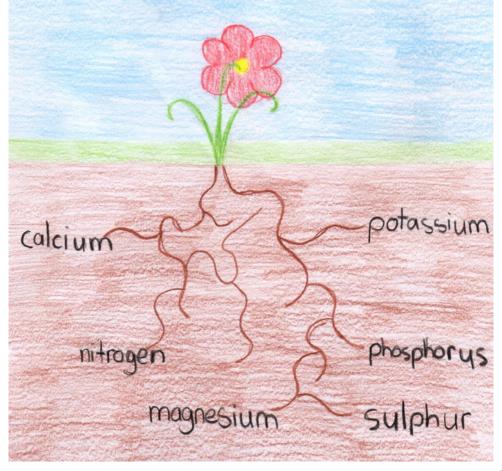


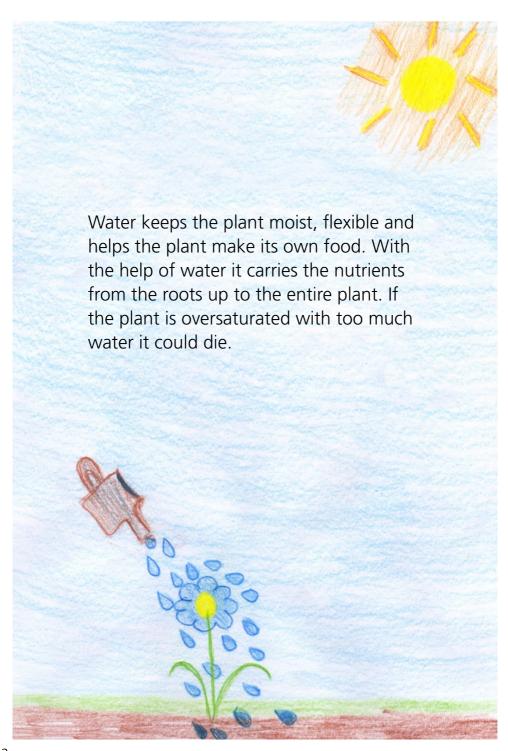


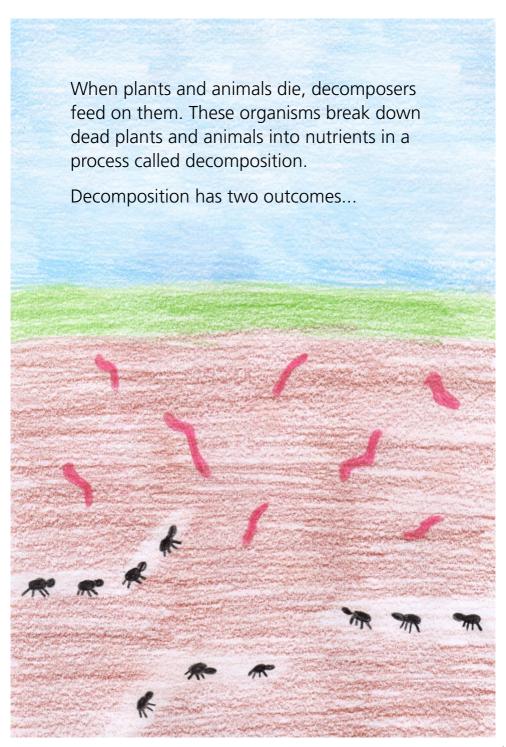


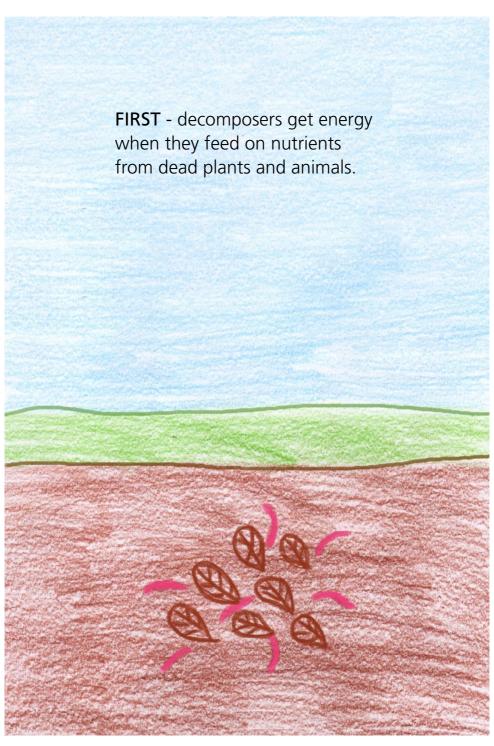


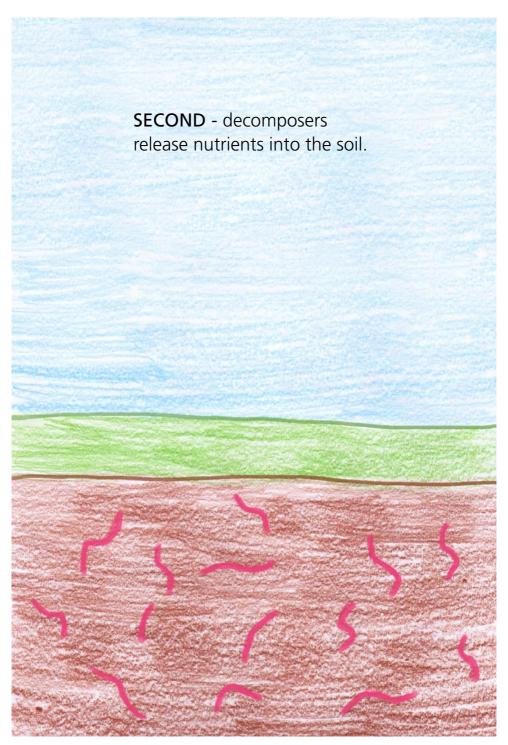
Plants can't survive without food so soil provides food for them through their roots. Nutrients in the soil help plants grow strong. Some nutrients that plants need are nitrogen, phosphorus, potassium, calcium, magnesium and sulphur.

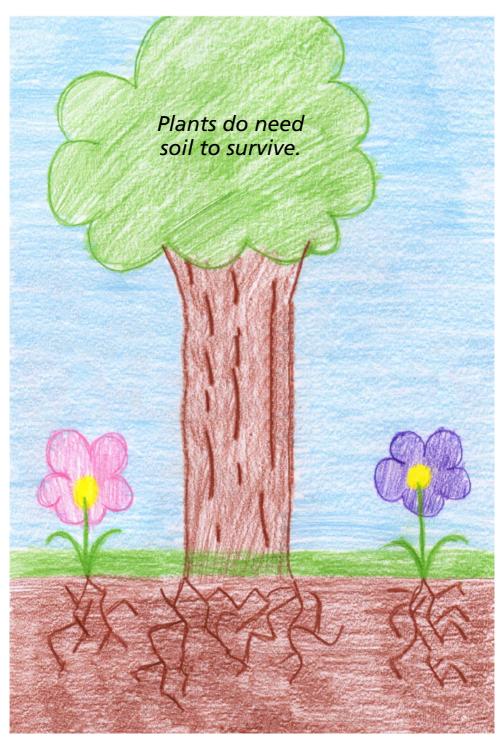














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