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# Soil

土壤

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外语教学与研究出版社

FOREIGN LANGUAGE TEACHING AND RESEARCH PRESS

# 看看我们能学到什么

流利级

## 学习语言

词汇

★ 单词量：381

★ 高频词：eat, grow, made, that, their, them

★ 主题词：soil, dirt, sandy, rocky, clay, rock, rot, rich, nutrients, roots

理解与思考

★ 猜猜课文讲述的是什么

★ 使用书的各个部分来了解内容

★ 借助图表理解课文

★ 概括书的内容

拼读细解

★ 元音：i (time, died, lie, ice)

★ 双元音：ou, oi (thousands, ground, without, soil)

★ 元音二合音：ow (blows, grow, snow)

听、说、写

★ 用主题词造句

★ 和其他小伙伴讨论土壤从何而来

★ 能回答关于课文的问题

## 学习科学

动脑筋 学知识

★ 土壤是地表的一部分

★ 土壤由岩石和腐烂的动植物形成

★ 在土壤的形成中，天气发挥了一定作用

★ 动植物及人类都依赖土壤为生

★ 总结土壤是如何形成的

丰富科学知识

对土壤构成的研究能鼓励孩子们去探索地球表面易于观察的理特征与属性。孩子们会逐渐明白地球非常古老，经历了时间的变化。为了帮助孩子们理解植物是如何分解并成为土壤构成的重要成分，您可以和他们一起做个堆制肥料的实验。

## 流 利 级

我的街道

从田野到花商

杰克的渔船

旅游景点

沙漠雨季

我们的城市

为你制作冰激凌

暴风雨来临时

重型机器

沿河旅行

寻找新房子

风力

猫的胡须

磁铁

热带雨林

洗车房

我的鱼缸

交通工具

地图图例

土壤

你能看见昆虫吗？

玉米

水能发生变化

花生



国家地理  
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# Soil

土壤

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# What is soil?

The land is covered with a layer of dirt.

This dirt is called soil.

Soil can be sandy.

Soil can be rocky.

Soil can be like clay.

Do you know how soil is made?

# How is soil made?

It takes a very long time for soil to be made.

Soil is made from pieces of rock.

The pieces of rock are mixed with animals  
and plants that have died and rotted.





Some rocks lie on top of the ground.

Rain falls on them.

Snow and ice cover them.

The wind blows them.

After a long time, the water, the cold,  
and the wind help break the rocks into pieces.

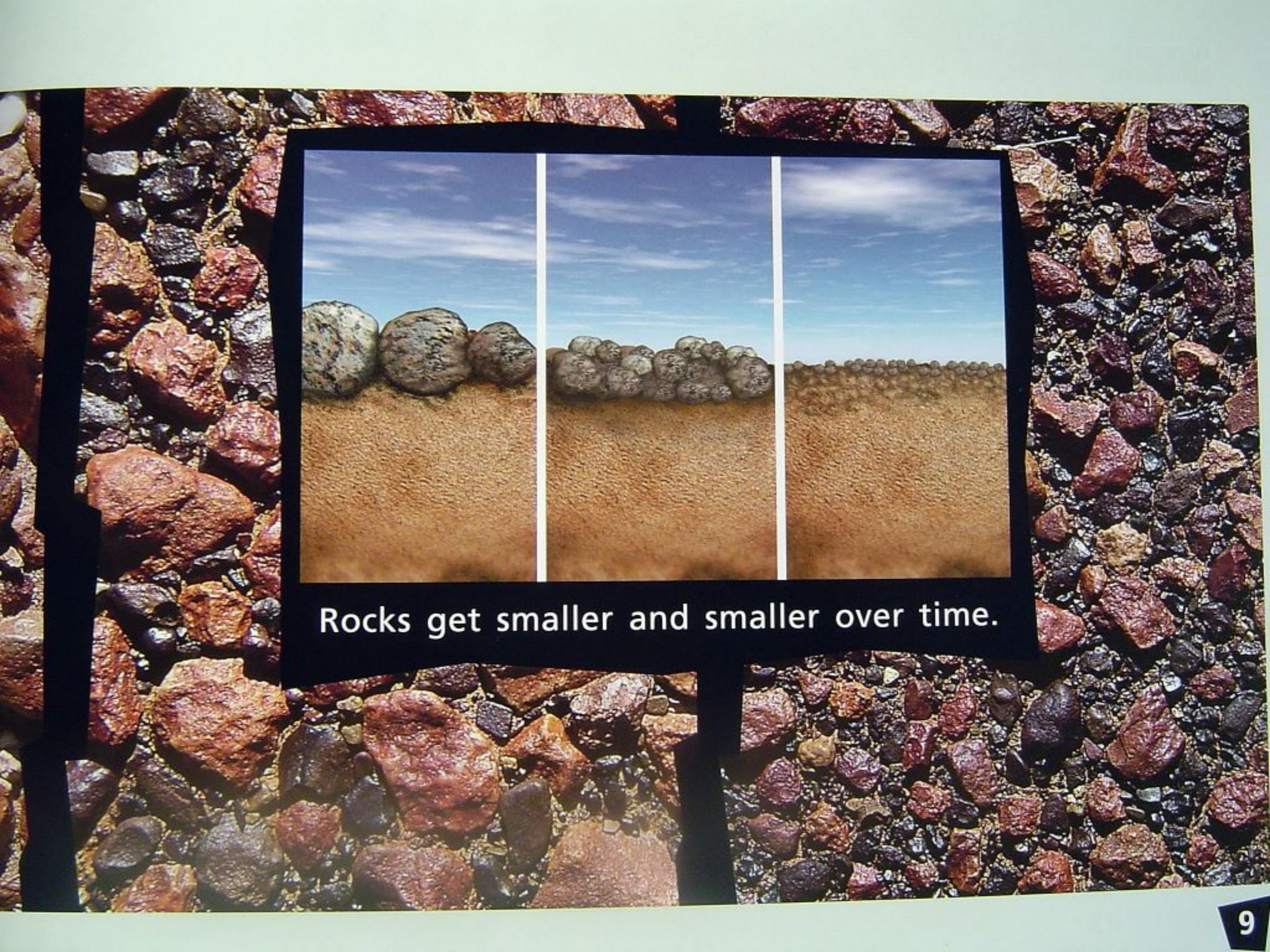




These pieces of rock then break into smaller and smaller pieces.

After thousands of years, the tiny pieces of rock become soil.





Rocks get smaller and smaller over time.

Plants and animals also help make soil.

Fallen leaves and dead plants  
lie on the ground.

When animals die, their bodies  
also lie on the ground.

Hot sun shines on them.

Cold rain falls on them.

Snow and ice cover them.



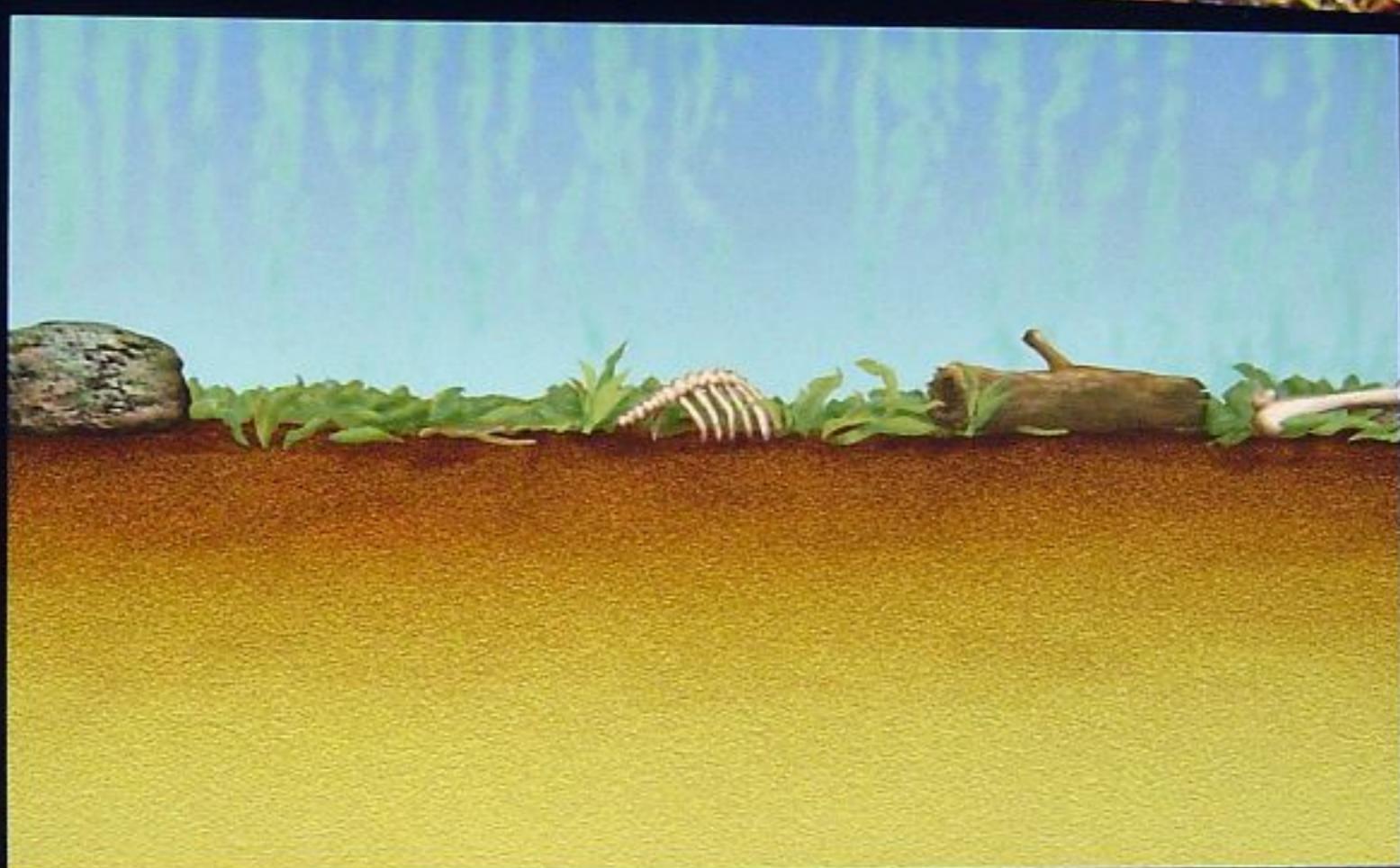


After a long time, the heat, the water,  
and the cold help make the leaves  
and bodies rot into the ground.

The rotting leaves and bodies  
help make the soil rich with nutrients.

When the soil is rich with nutrients,  
plants can grow there.





Leaves and bodies rot into the ground.

# Who needs soil?

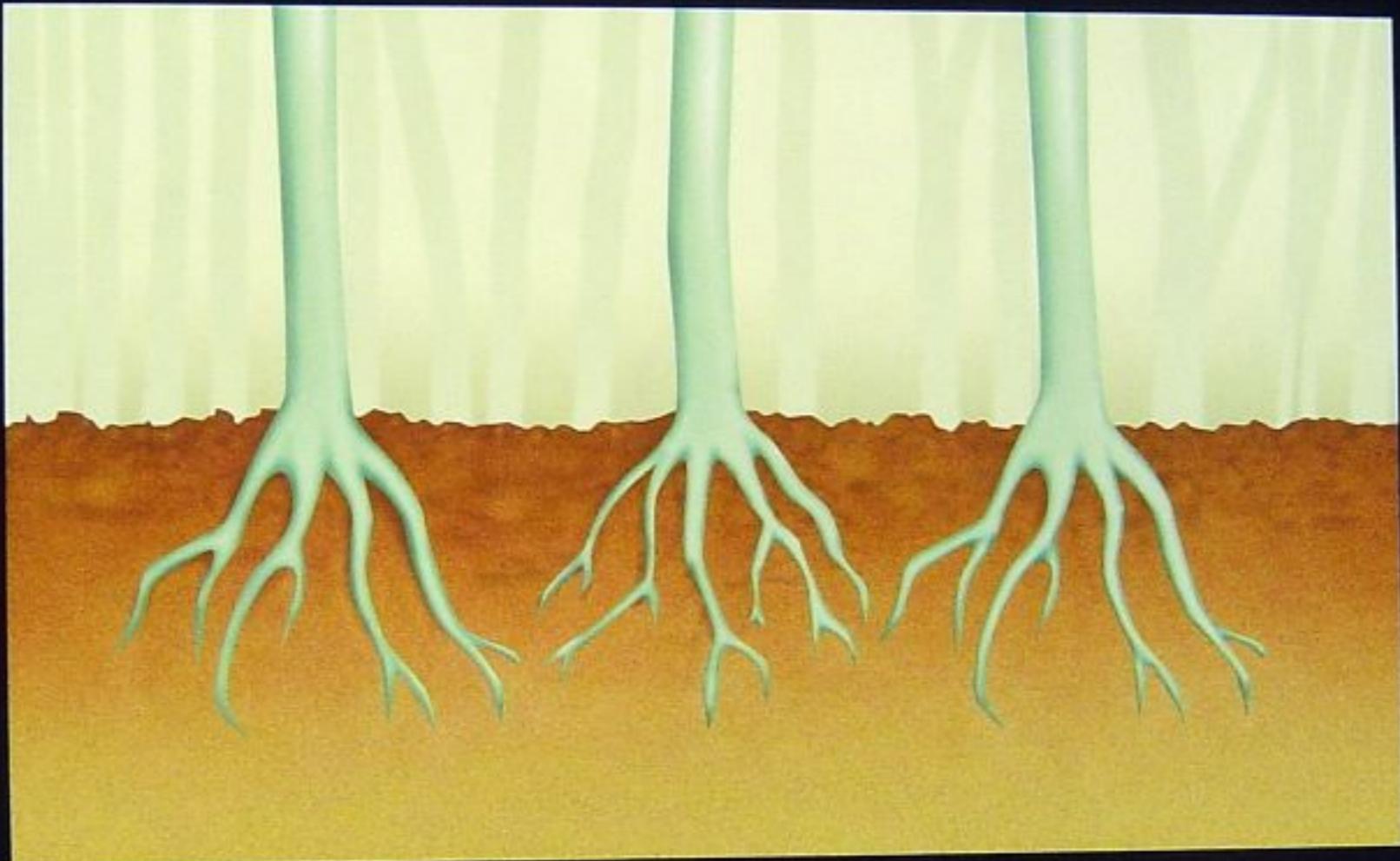
Most plants need soil to live.

Plants have roots that reach down into the soil.

The roots spread out.

The soil helps plants stand up.





The roots reach down into the soil.

Plants get some of their food and water from the soil.

Their roots collect the food and water that help the plants grow.

Without soil, most plants could not grow.

Plants need soil.





Animals need soil to live, too.

Some animals eat plants.

Other animals eat the animals  
that eat plants.

Without soil, most plants could not grow.

Without plants, animals would have  
nothing to eat.

Animals need soil.





People need soil to live, too.

We use the soil to grow plants  
that we can eat.

We feed plants to animals  
that we can eat.





Without soil, most plants could not grow.

Without plants, animals would have  
nothing to eat.

Without plants and animals,  
people would have nothing to eat.

People need soil.





# Glossary

**clay** stiff, sticky dirt

**nutrients** food necessary for things to grow

**rich** full of good things

**roots** part of a plant that grows under the ground

**rot** break down into smaller pieces

# .....Think and Discuss.....

How do people use soil?



入门级

提高级

流利级