

The background of the slide is a close-up photograph of dark brown soil. On the left side, a small green plant with thin stems and leaves is growing out of the soil. In the upper right, there is a cluster of small white flowers. The overall scene is brightly lit, suggesting an outdoor setting.

Operation:

Let's Get Dirty!

U School Soil Science Lab

Dirt!

Soil!



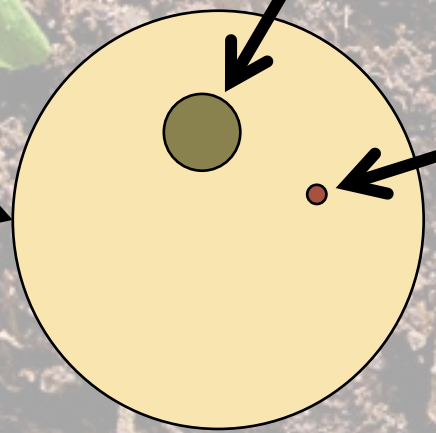
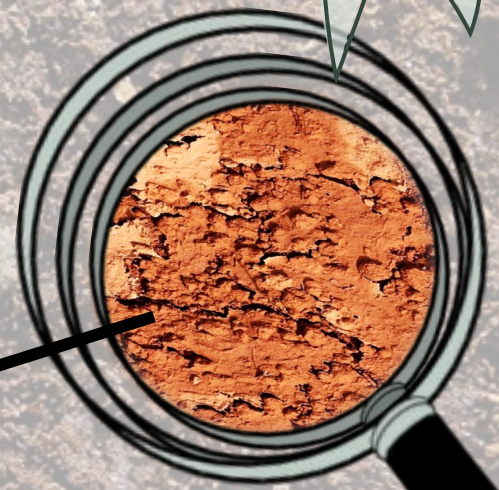
A close-up photograph of a soil profile. The top layer shows green grass and a small white flower. Below the surface, the soil is dark brown and crumbly, with numerous plant roots extending downwards. The text "What is in soil?" is overlaid in a large, black, handwritten font across the middle of the image.

What is in soil?

**Sand**

**Silt**

**Clay**



Minerals

**Sand**

**Silt**

**Clay**

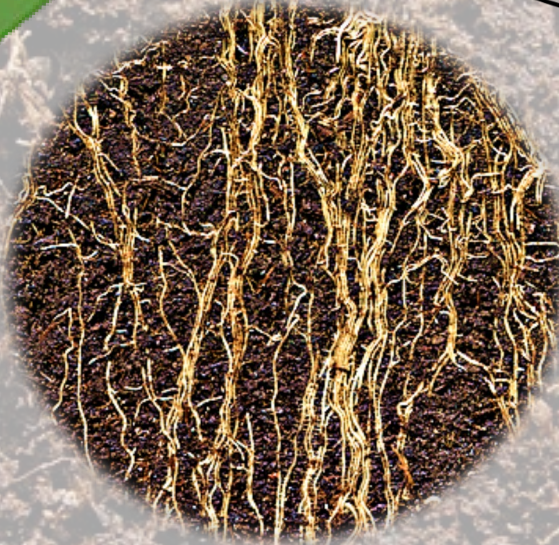


**Air**

**Water**

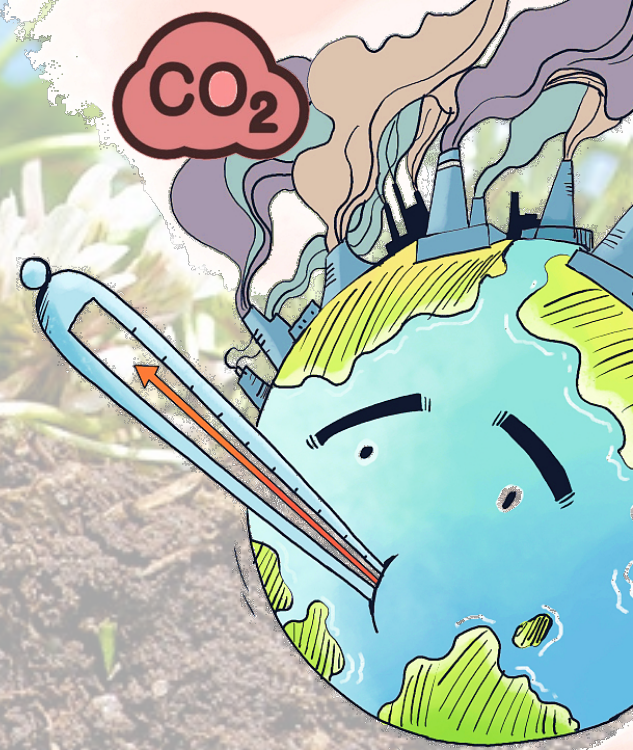
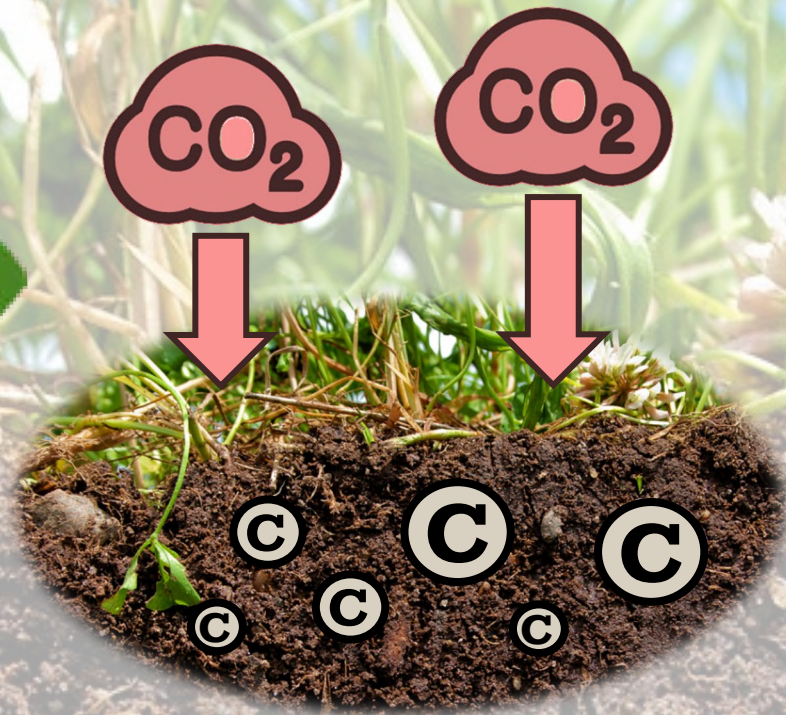


There are more organisms in one  
tablespoon of healthy soil than  
there are people on Earth!



Living things

Soils store more  
Carbon than the  
atmosphere and  
vegetation  
combined!



Dead things  
(organic material)








How is soil

formed?




Climate



Organisms



Clorpt!



Time



Relief



Parent materials

A close-up photograph of soil with plant roots and a small white flower. The soil is dark brown and textured, with numerous roots visible. A small white flower with many petals is in the upper right. The background is a soft-focus green, suggesting more vegetation.

**What does  
soil do?**

A close-up photograph of a soil profile. The top layer shows green grass blades and a small white flower with many tiny petals. Below the surface, the soil is dark brown and rich, with numerous thin, fibrous roots extending downwards. The text "Grows plants!" is written in a white, handwritten-style font across the middle of the soil.

Grows plants!



Water

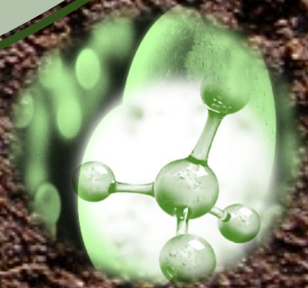
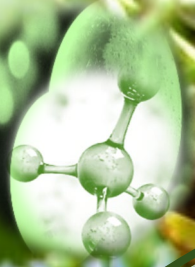
Air

Nutrients

Support



Soil lives, breathes & recycles!





**We need your help  
to help our soils!**

What's  
better for  
soil health?

**Soil 1**

**Soil 2**





A hand-drawn illustration of a laboratory. The scene is rendered in a style that looks like cutouts or a collage, with various pieces of glassware and equipment. In the foreground, there's a round-bottom flask containing a dark liquid, a beaker with a lighter liquid, and a test tube rack holding several test tubes, some of which are bubbling. In the background, there are shelves with more glassware, a framed document on the wall, and a window with a grid pattern. The overall color palette is muted, with browns, greys, and off-whites. The text "Let's Get Dirty!" is written in a bold, black, handwritten font in the center of the image.

**Let's Get  
Dirty!**