

What's in the soil?

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What's in the Soil?



Soils in different places have different properties: they could be sandy, salty, waterlogged or full of nutrients. Lots of **microbes** live in the soil. Microbes are really important because they Stressful Conditions keep the soil healthy. We can see what these microbes are doing by detecting the **metabolites** that they produce. Metabolites are small chemicals, like sugars and fats. Cold **Peaty** soils on top of the hill are cold and Microbes in soils all do the same basic things to stay exposed. They are also alive, like eating and respiring. But some have very acidic. Lots of Acidic to deal with extra stress, like being too wet, metabolites build up in acidic or salty. When this happens. these soils as it is hard metabolites tend to build up. for microbes to survive. The types of metabolites that soil microbes produce are different depending on the properties of the soil. Steep Nutrient Rich Soils Farmed soils at the bottom of the hill are Grazed warm, full of nutrients and have a neutral pH. Waterlogged Microbes here are not stressed, so metabolites do not build up. Nutrient Rich Sandy