

unlock the secrets in the soil

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"We know more about the movement of celestial bodies than about the soil underfoot."

-Leonardo da Vinci

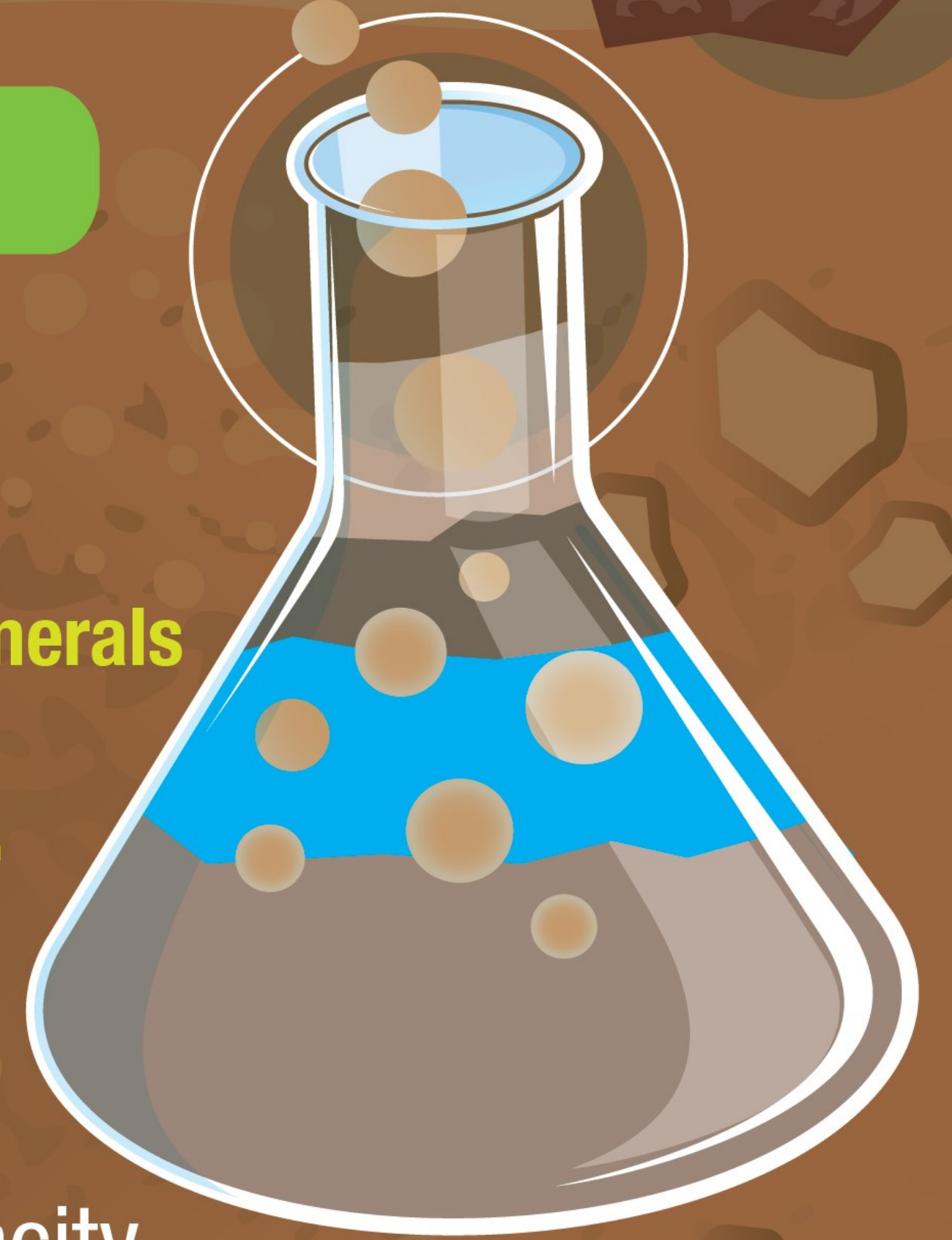


Living in the soil are plant roots, bacteria, fungi, protozoa, algae, mites, nematodes, worms, ants, maggots, insects and grubs, and larger animals.

science of soil

soil is

made of about **45% minerals**
25% water
5% organic matter **25% air**



what's underneath



Healthy soil has amazing water-retention capacity.

Every **1%** increase in organic matter results in as much as **25,000** gal of available soil water per acre.



One teaspoon of healthy soil contains

100 million-1 billion individual bacteria



All of the soil microbes in **1 ac/ft** of soil weigh more than **2 cows**

Earthworm populations consume **2 tons** of dry matter per acre per year, partly digesting and mixing it with soil



what it does



Healthy soil is key to feeding

9 billion  by **2050**