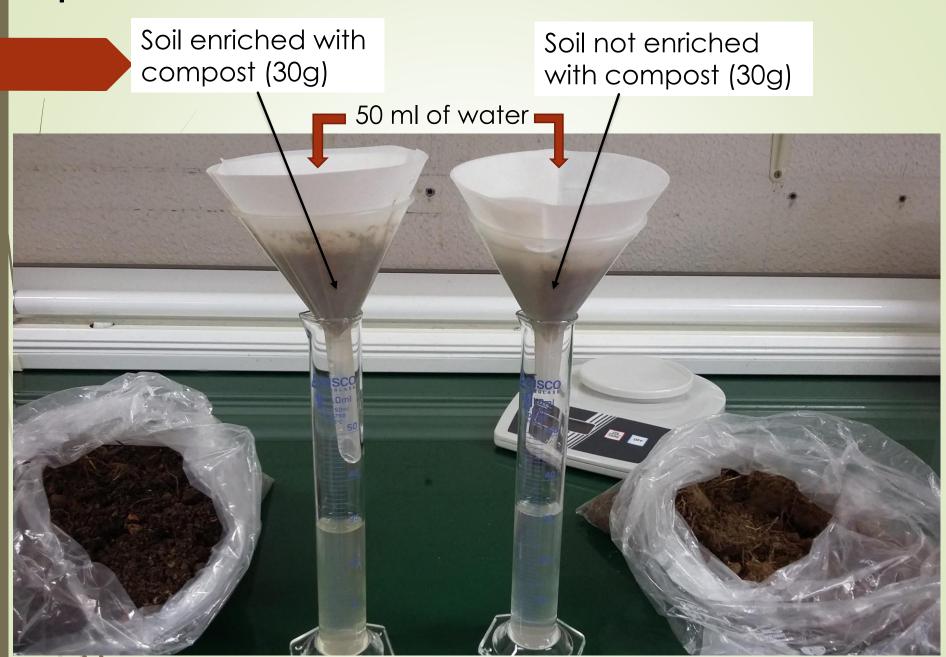
To better grow plants

To recycle

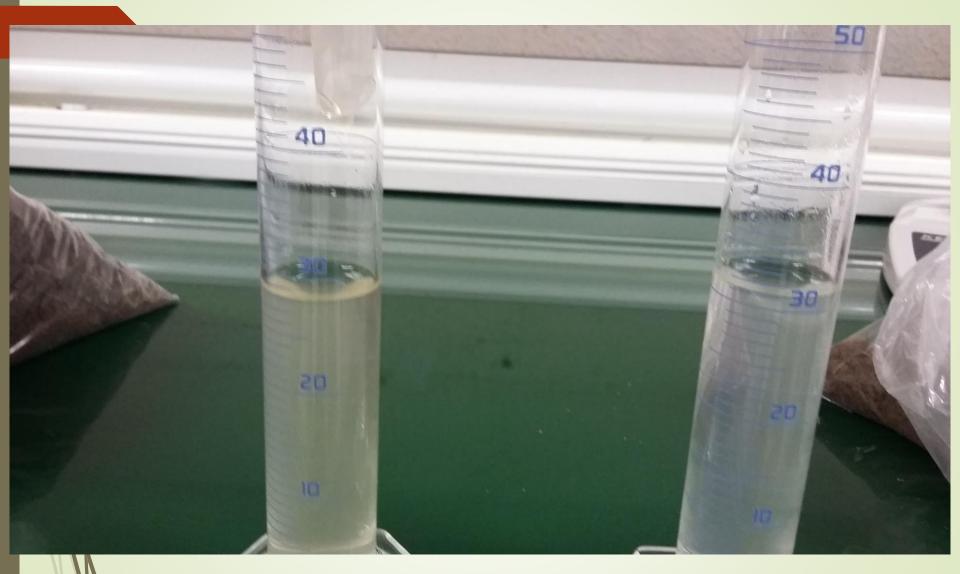
# Why compost?

To reduce waste

To favour biodiversity



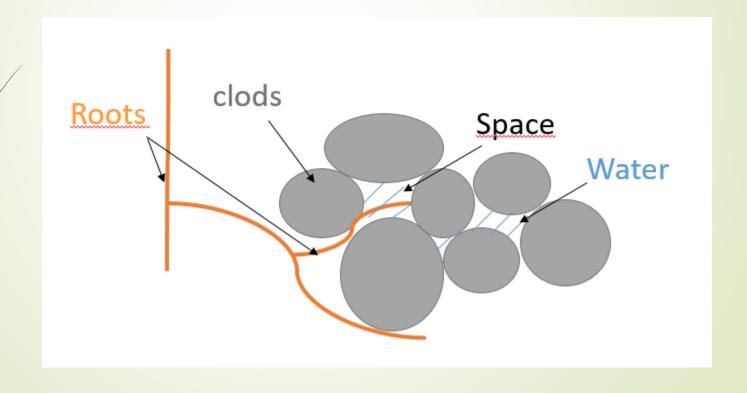
# Results

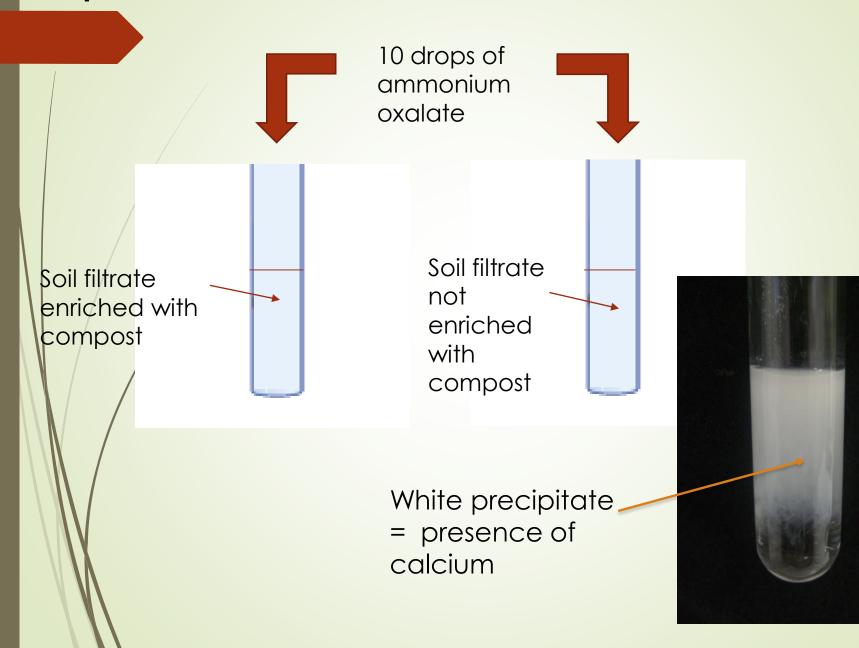


More space and water for the roots in Soil enriched with compost

→ Compost is rich in organic matter which forms clods with clay.

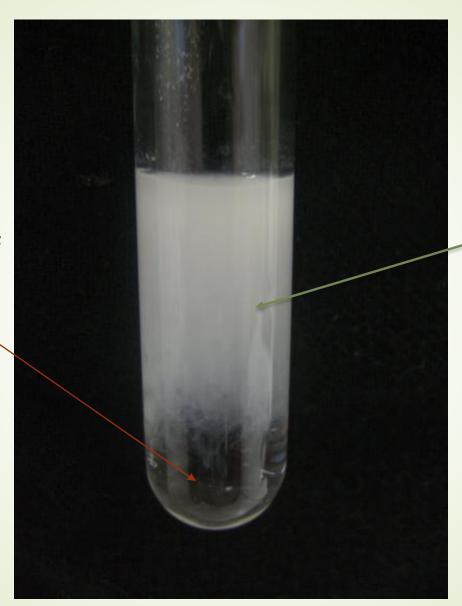
Spaces form in between the clods beneficial for roots 'growth and water storage.





#### Results

Filtrate
+ 10 drops of ammonium oxalate



White precipitate showing the presence of calcium

Calcium for the plants

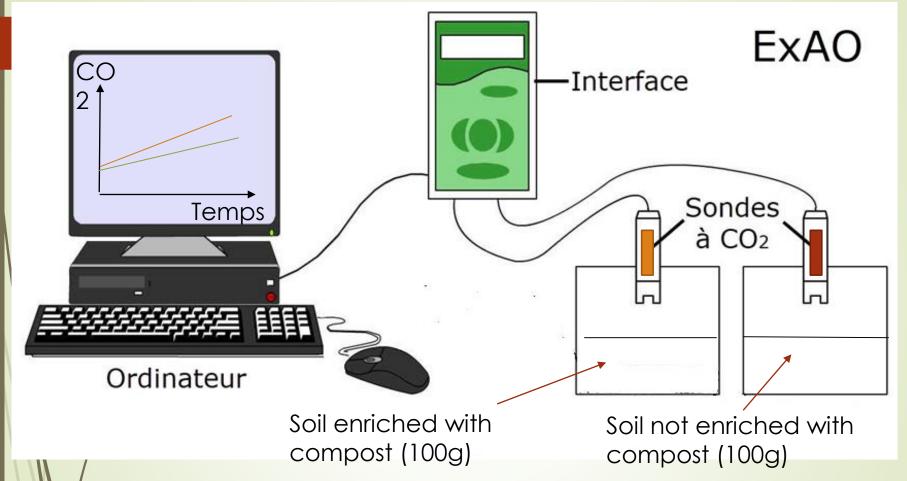
Methylene blue (10ml) Methylene blue (10ml) Soil enriched Soil not enriched with with compost compost (10g) (10g)Methylene blue is blue thanks to a cation (+)

#### Results



Negative charges that will retain lots of other minerals

- → Compost brings a lot of minerals useful for plants. These minerals come from the decomposition of organic matter.
- → Complex made by compost with clay is negatively charged and retain cations (+) and so anions (-) which are not driven by water and remain available for the plants (Ca2+, K+, NH4+, Mg2+, Fe2+, H2PO4-, SO42-)



More CO2 rejected by the soil enriched with compost so more life.

This CO2 comes from animals breath but also from the decomposition of organic matter (peelings, leaves...) by micro-organisms (mushrooms and bacteria). This life ventilates, mixes the soil and brings minerals.

# Earthworms

Bacteria

mites

More biodiversity in the soil enriched with compost

Mushrooms

Lithobias...