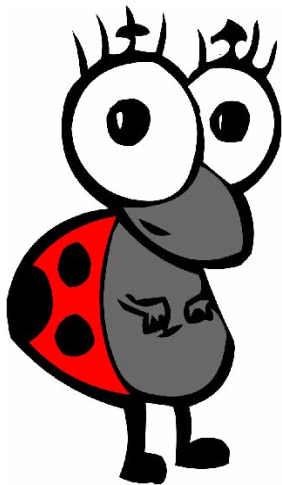




Organisms that live in soil breathe in oxygen and breathe out carbon dioxide and water vapour...

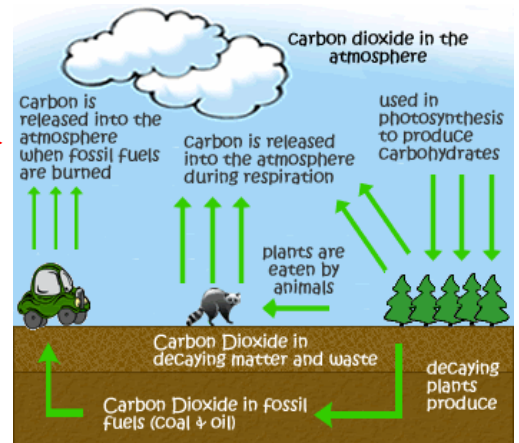


...just like us!



Soil plays a critical role in the carbon cycle...

World soils contain twice as much carbon than there is in the whole of the atmosphere and more than twice that in all the living vegetation in the world!



<http://www.realtrees4kids.org/sixeight/cycles.htm>

Did you know...?

The presence of carbon dioxide and water vapour can be demonstrated using the following 3 experiments...

Cobalt (II) chloride hydrate

Water vapour liberated by the soil organisms when in contact with Cobalt (II) chloride changes the colour from blue to pink



Lime water

Carbon dioxide liberated by the soil organisms when mixed with lime water forms a cloudy precipitate known as calcium carbonate

Copper (II) sulphate hydrate

Water vapour liberated by the soil organisms when in contact with Copper (II) sulphate changes the colour from white to blue

