



MATERIAL TECHNOLOGY

PRODUCT DEVELOPMENT

Environment Friendly Shoes

- ❖ Shoes were developed from a desire to create products that not only look good and perform well.
- ❖ This will serve the purpose of the Safety of Workers
- ❖ They should be a force for positive change in the world.
- ❖ Shoes tend to have life span which is usually Lower
- ❖ A specific type of Shoes will be produced, when they are of no use for anyone, it will be used for the purpose of Plantation
- ❖ The shoes will eventually get Decomposed



PROCESS :

- Every component of these shoes will be made from plant materials instead of plastic and leather
- Materials that are a part of the main procedure such as Pineapple husk
- Instead make it a product which comes from the earth and goes back entirely to the earth
- There will be no use of synthetic material for the Production of the Shoes



Example : Plant Based Sneakers





‘Some soles last 1,000 years in landfill’: the truth about the sneaker mountain

- ▶ In the global marketplace, labels have come to mean everything. A shoe that is “hyped” and worth hundreds of pounds at Sneaker Con one day can become worthless the next.
- ▶ Basing value on symbolism, rather than usability, means it lingers for a brief moment before the shoe needs replacing, fueling production and an environmental impact.
- ▶ Takes Place in London and New York
- ▶ Many shoes are deemed unsuitable for these markets. While the public are asked to tie or strap shoes together before donating, pairs are often separated in the collection process.

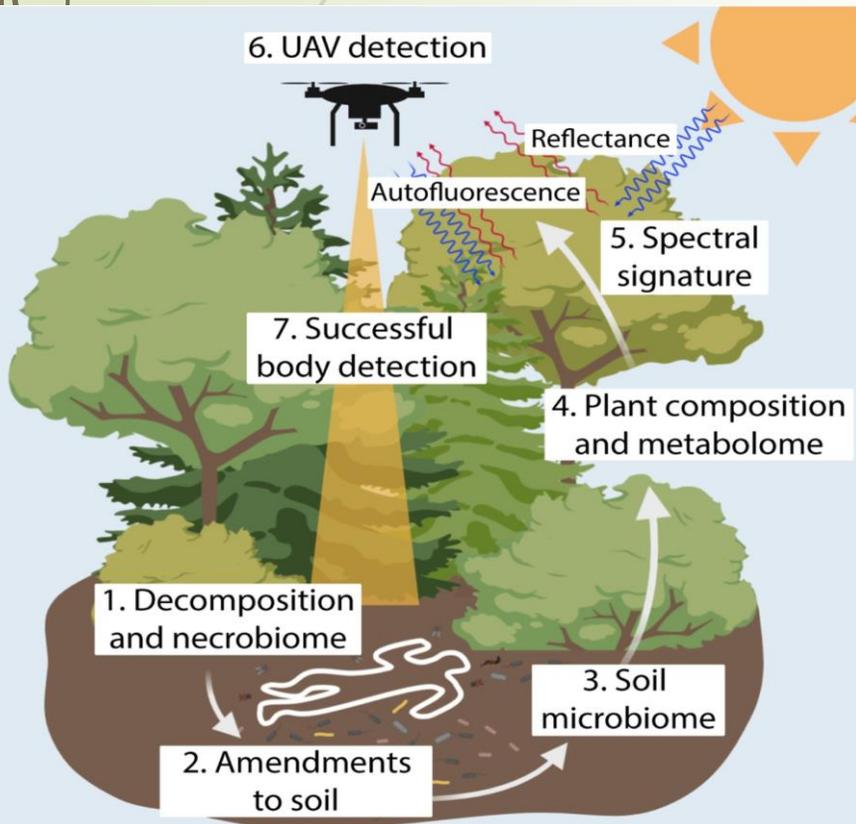
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‘Some soles last 1,000 years in landfill’: the truth about the sneaker mountain

As trainer consumption booms, so does the number of unwanted shoes. Can anything be done with them?

BENEFITS : DECOMPOSITION OF SHOES



It makes the process a manageable and achievable one

Helps us solve complex problems and manage large projects

Large problems are daunting, but a set of smaller, related tasks are much easier to take on.

Lower Chances of Deforestation



How does Decomposition Help the Environment?

**It is a Very Important
parts for all the
ecosystems**

**The most important thing
recycled by rot is the
element carbon. This
chemical element is the
physical basis of all life
on Earth. After death,
After death,
decomposition releases
carbon into the air, soil
and water. Living things
capture this liberated
carbon to build new life.**

**Decomposition
reduces these leaves
first into a compost
and then into
nutrients which return
to the soil and enable
new plant growth to
take place.**



Stages : Decomposition

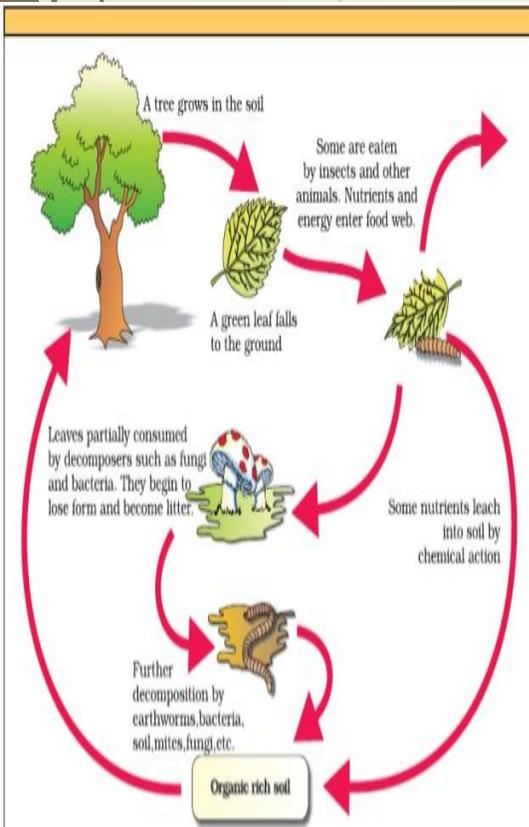


Fragmentation

Leaching

Catabolism

Humification





THANKYOU!