

What is WASTE ?

Unusable or unwanted material.



Types of waste

Solid



Liquid



Gas



Solid Waste

A variety of items are included

Common categories:

- Recyclable
- Organic
- Chemical waste



Recyclable Waste

Can be converted in products that can be used again. Some of them are:

- Paper
- Metals
- Glass



Organic Waste (Wet waste)

Origin: Plant or an animal. Usually made of fruits and vegetables.

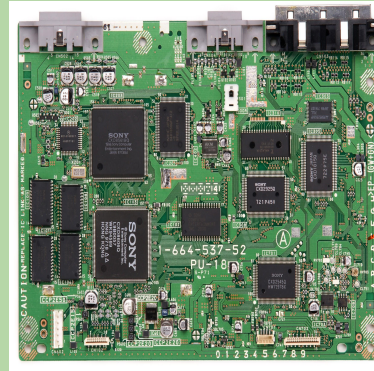
Not bad for the environment, it helps plants grow and disintegrates quickly.



Chemical waste

Hazardous waste

- Silica Gel
- Mercury Containing Devices
- Computers and Electronics
- Batteries



Liquid Waste

- Domestic (Sewage or municipal wastewater)
- Industrial
- Biomedical



Domestic wastewater

Comes from our houses (toilet, bathroom, kitchen...)



Industrial Wastewater

- Comes from industrial processes
- May contain harmful chemicals and heavy metals



Biomedical Waste

- Expired and discarded medical products
- Can be toxic



Gas Waste

- Burning of fuels at homes
- Gas emitted by motor, vehicles and industries
- Thermal and nuclear power plants
- Fertilizers and pesticides in agriculture
- Smoking



Household Waste

- Organic
- Recyclable
- Non-recyclable
- Liquid waste



Waste Collection Systems

Surface containers



Waste Collection Systems

Buried containers



Waste Collection Systems

Door-to-door

- No more containers in the streets
- Taxes connected to waste (No anonymity)

But

- Time restrictions



Waste Collection Systems

Pneumatic

(a series of drop boxes connected to a suction point via underground pipes)

- No smells
- No trucks
- Can drop off our waste any time

But

- Difficult implementation
- Expensive
- Difficult to identify wrong usage



Waste Collection in Chania region

Blue Bin: paper, plastic, aluminium

Yellow Bin: glass

Special Green Bin: electronic devices

Red Bin: clothes that we want to recycle

Green or Silver Bin (For things we can't recycle): It's for anything we don't want and we can't recycle it



Batteries, lamps and electronic devices are discarded in special bins



Biological cleaning of liquid waste



Oil collection



If it can't be
reduced, reused,
repaired, rebuilt,
refurbished,
refinished, resold,
recycled or
composted,
then it should
be restricted,
redesigned
or removed
from production.



- Pete Seeger