

# Waste Equals Food

**Biological**

material/product designed to return to the biological cycle

- liquid cleaners designed as biological nutrients and support ecosystems
- examples:
  - liquid soap
  - fabric factory cleaning water
- packaging made of biological nutrients

**Technical**

= material/product designed to go back into the technical cycle

- materials continually circulated
- closed-loop
- examples:
  - metals melted with some metals
  - cars/parts organized
  - plastics reused with plastics

upgrade/upcycle manufactures own it, people buy the service

- examples:
- lease out chemicals
  - carpets
  - electronics

less waste  
less cost  
helps environment  
more workers

**To make the future better**

- ↳ design with the thought process waste does not exist
- ↳ keep the technical and biological separate
- ↳ separate { healthy valuable successful

**Problems with Today**

like people, products have graves  
want to be the only owner  
if we continue, the earth will be a grave

- getting away from waste
- dump it
  - bury it
  - create cesspools
  - dispose of it in bodies of water

we have mass + energy and that's it

- nothing goes in or out of our system
- elements are valuable and finite
- what we have is all we have
- waste doesn't go away

**Monstrous Hybrids**

- both technical and biological
  - cannot be salvaged
- ends in landfills

- examples:
- leather shoe has chromium
  - rubber shoe soles contains lead and plastics
  - fabric out of PET from plastic bottles

\* have to think about positive consequences for both metabolisms

