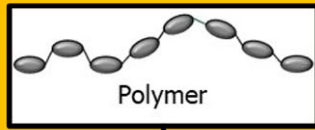
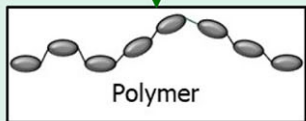


# Physical and Chemical Plastic Treatment Processes

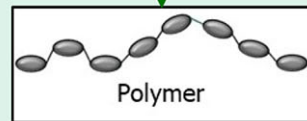


## Physical Recycling

### Mechanical Recycling



### Dissolution *Solvent-based Purification*

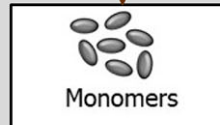


## Material Recycling

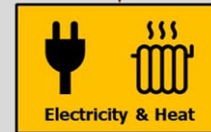
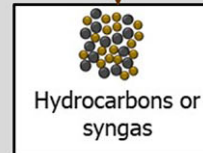
- No change to the Polymers composition
- **Polymers can be re-used**
- Low CO<sub>2</sub> Footprint

## Chemical Recovery

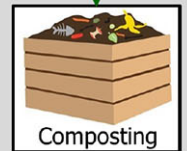
### Depolymerisation *Solvolytic*



### Thermolysis



### Biodegradation



Single Use

## Feedstock Recovery

## Energy Recovery

- **Polymers are decomposed**
- Polymerization energy is lost
- Higher CO<sub>2</sub> footprint