

Technology Training for SMEs

Module 1:

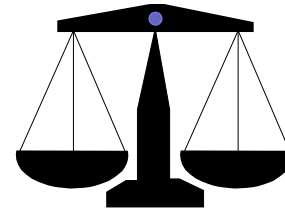
Introduction to The Environment

SME's and the Environment

| Problem | Cause | Effect |
|-------------------|---|---|
| Air Emissions | Burning Fossil Fuels, Exhausts, Power Generation etc. | Smog, Acid Rain, Climate Change etc. |
| Water | Discharges | Fish kills, Aquatic Life Damage, Algal Blooms |
| Waste | Generation of wastes | Air emissions, leachate, ash |
| Contaminated Land | Poor storage of materials | Damage soils and groundwater |
| Noise | Vehicular traffic, machinery, boilers etc. | Nuisance and physiological damage |

Why Have Good Environmental Practice?

- **Legal Reasons**



- **Economic Reasons**



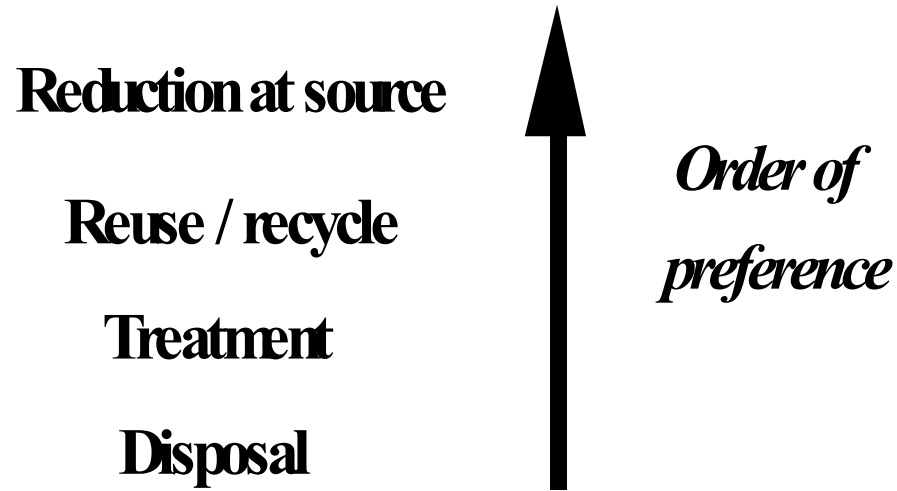
- **Relationship Reasons**



What is Cleaner Production?

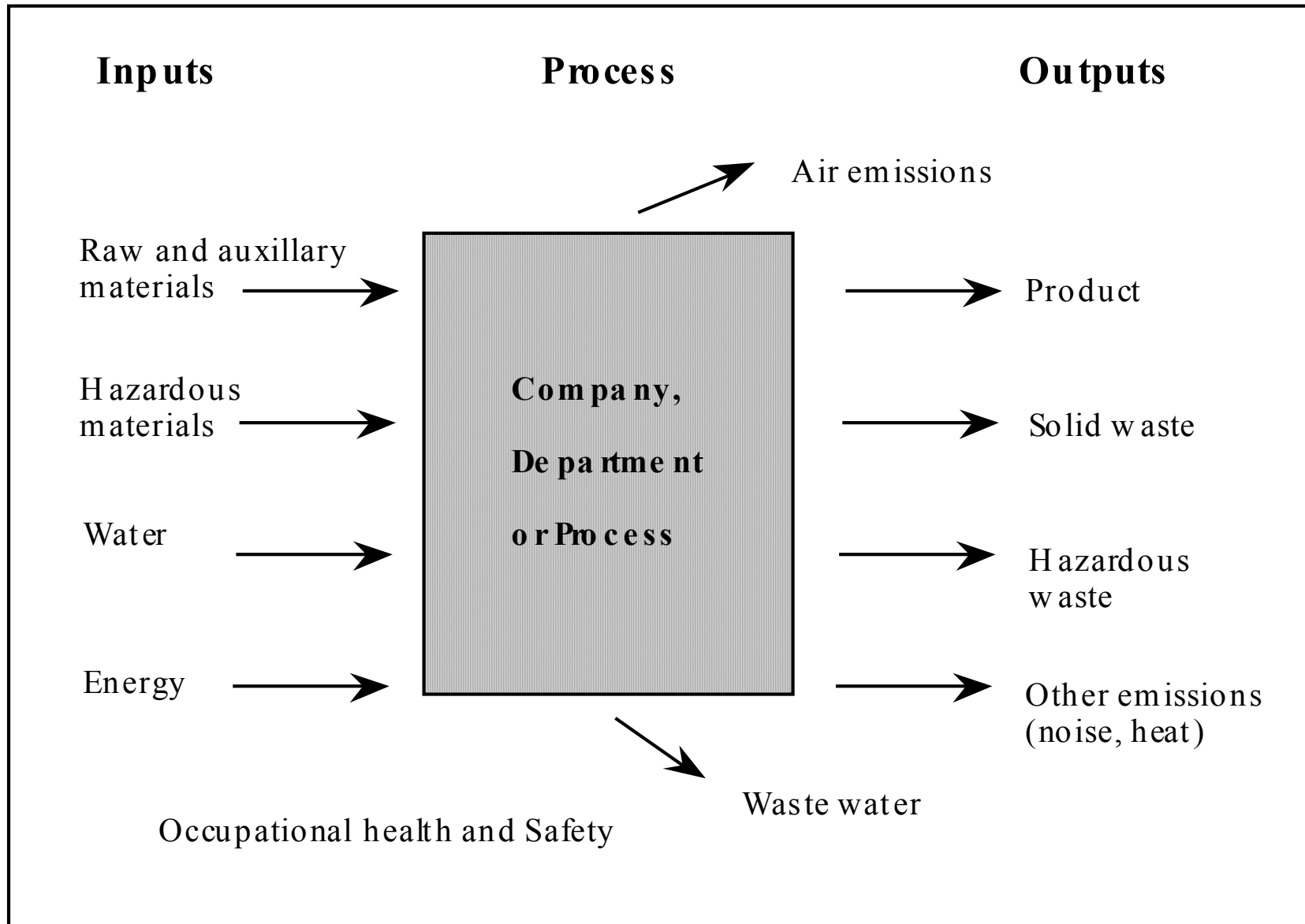
- **Avoid or Minimise Environmental Impact**
- **Prevention, not treatment or abatement**
- **Use Resources Efficiently**
- **Process *and* Management *and* Operational Practices**
- **Reduce use of toxic materials**
- **PREVENT!**

Waste Management Hierarchy

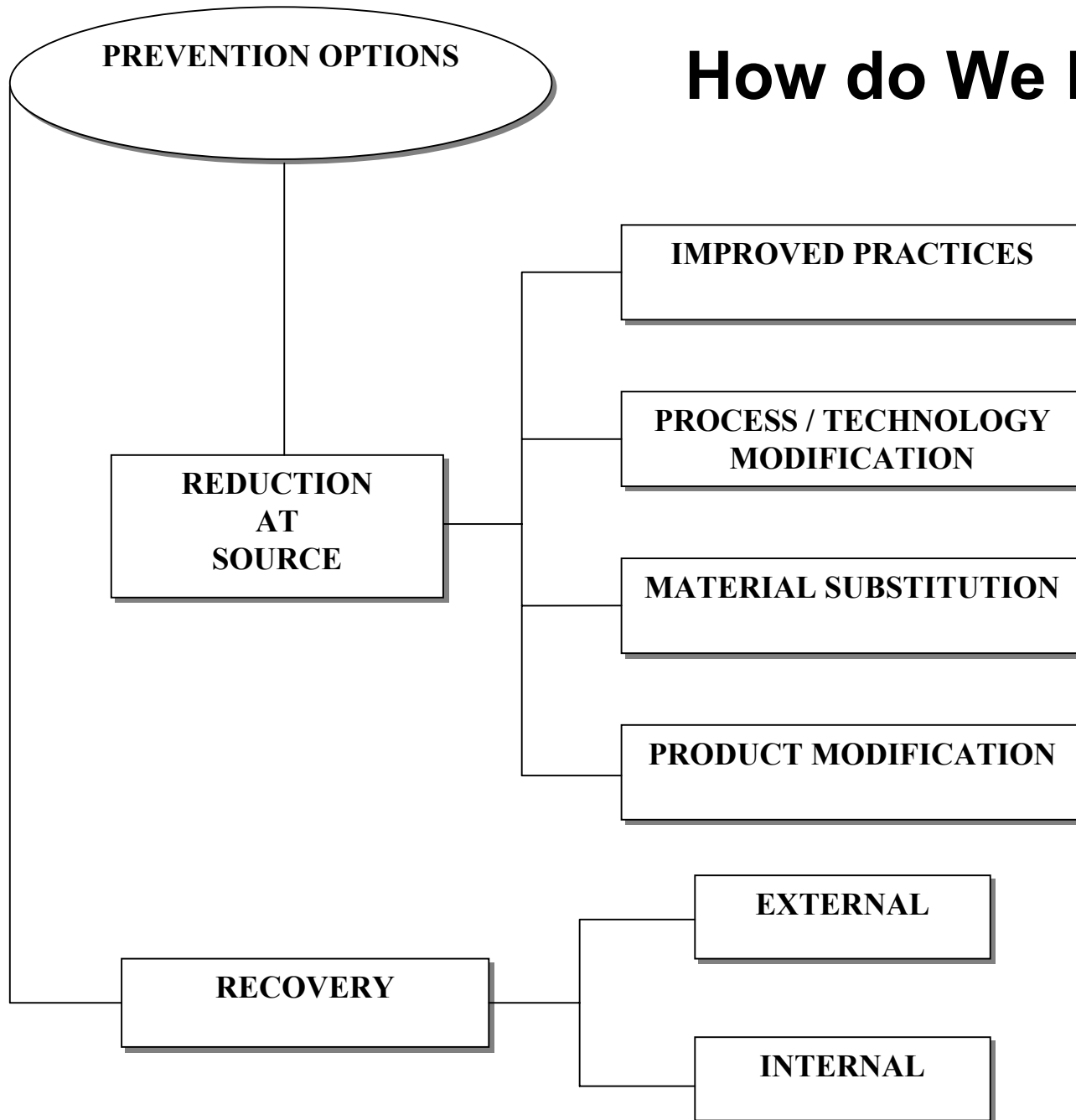


Waste Management Hierarchy

The Production Process



How do We Prevent?



How do We Prevent?

