

# Physical Processes

Sedimentation

Clarification

Air Stripping

Steam Stripping

Steam Distillation

Ion Exchange

Carbon Adsorption

Centrifugation

Dialysis

Distillation

Evaporation

Filtration

Flocculation

Flotation

Crystallization

Freeze Drying

High gradient magnetic

Separation

Electrophoresis

Liquid Ion Exchange

Electro dialysis

Resin Adsorption

Reverse Osmosis

Liquid-Liquid Extraction

Ultra filtration

Zone Refining

Suspension Freezing

Sorption

# Chemical Processes

**Precipitation**

**Calcinations and  
sintering**

**Catalysis**

**Chlorinolysis**

**Electrolysis**

**Hydrolysis**

**Neutralization**

**Oxidation**

**Ozonolysis**

**Photolysis**

**Microwave Discharge**

**Reduction**

# **Biological Processes**

**Activated Sludge**

**Aerated Lagoon**

**Anaerobic Digestion**

**Composting**

**Enzyme Treatment**

**Trickling Filter**

**Waste Stabilization Tank**

# Integrated Processes

- **Combination of two or more methods to destroy or minimize the properties of hazardous materials**