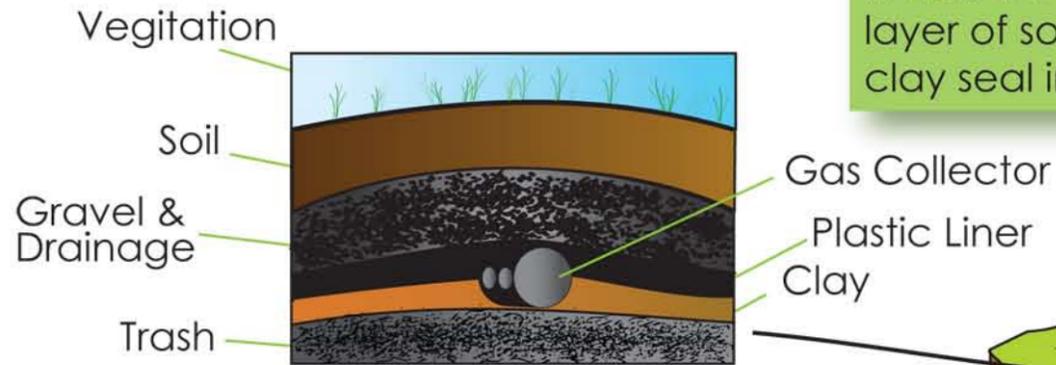


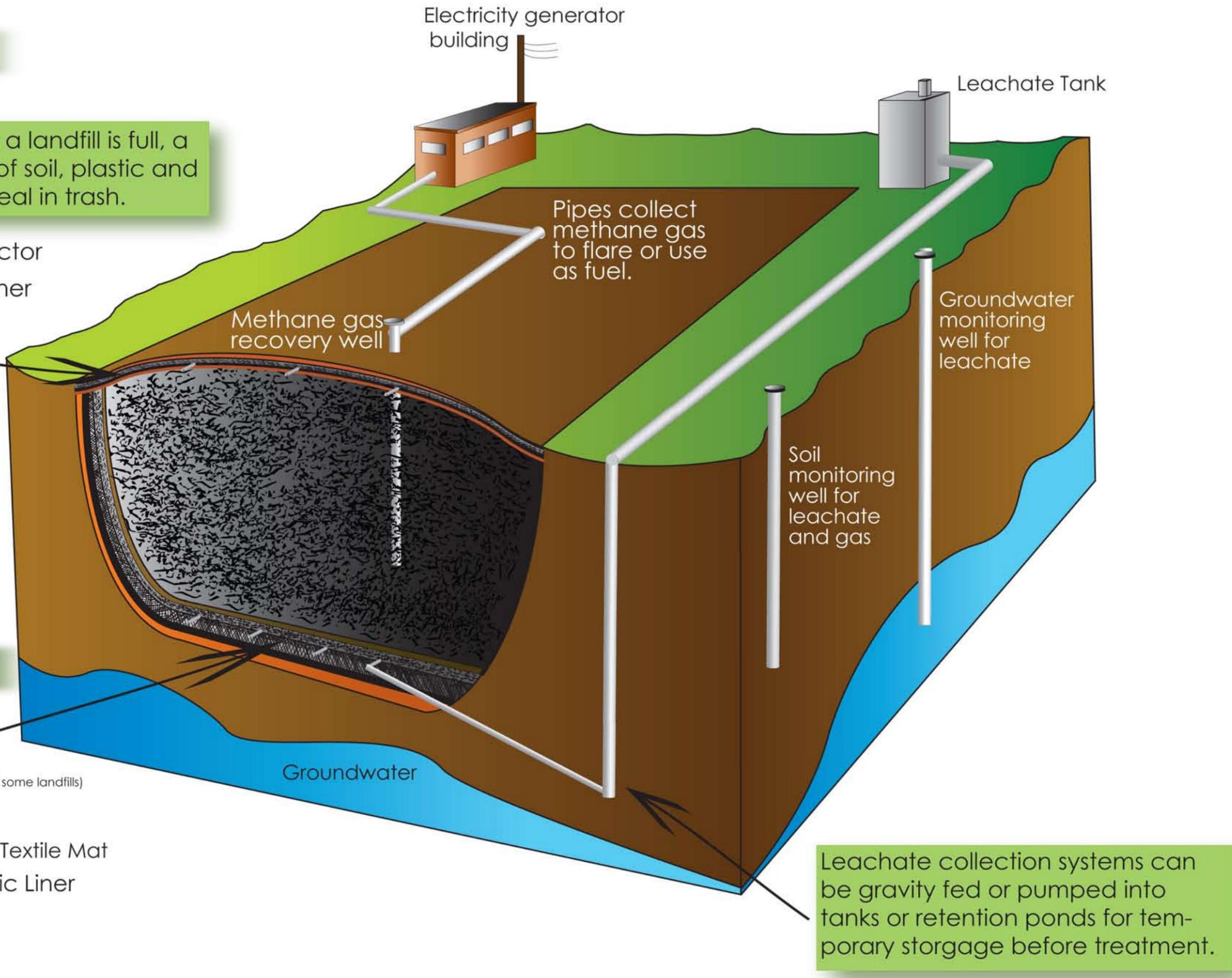
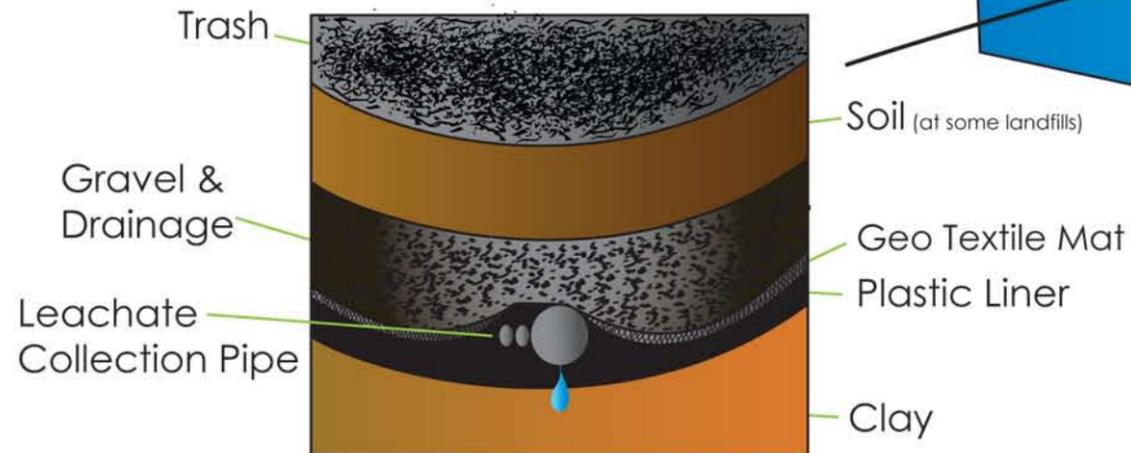
Parts of a Municipal Solid Waste Landfill

Landfill Cap - when landfill is closed

When a landfill is full, a layer of soil, plastic and clay seal in trash.



Landfill components - below trash



Leachate collection systems can be gravity fed or pumped into tanks or retention ponds for temporary storage before treatment.

Ground Water - Water that flows beneath the ground and needs to be protected.

Compacted Clay - A type of soil that is nearly impermeable when compacted.

Plastic Liner – A puncture-resistant plastic layer.

Leachate Collection Pipe – Water that percolates through the landfill is called leachate and may contain harmful substances that needs to be separated from groundwater.

Geotextile Mat – A mat that allows water to percolate through to the leachate collection system and protects liner from tearing or puncturing.

Gravel and Drainage Layer- Stones and rock that help filter the leachate.

Soil - The final layer before trash is put into the landfill.