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