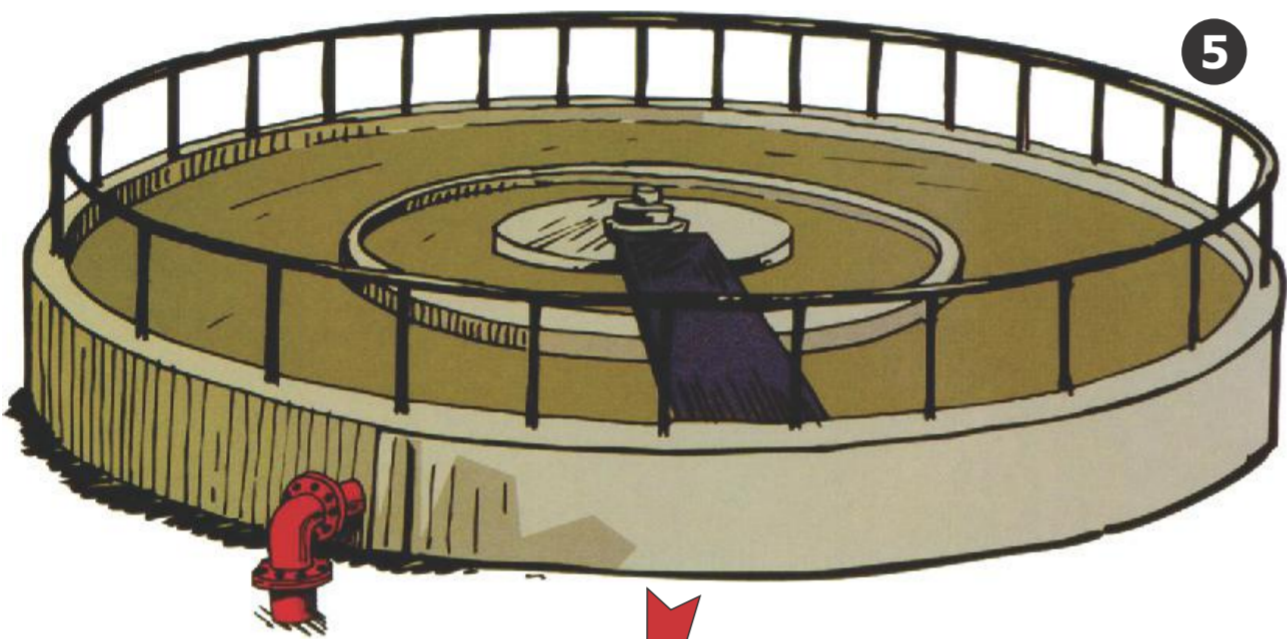
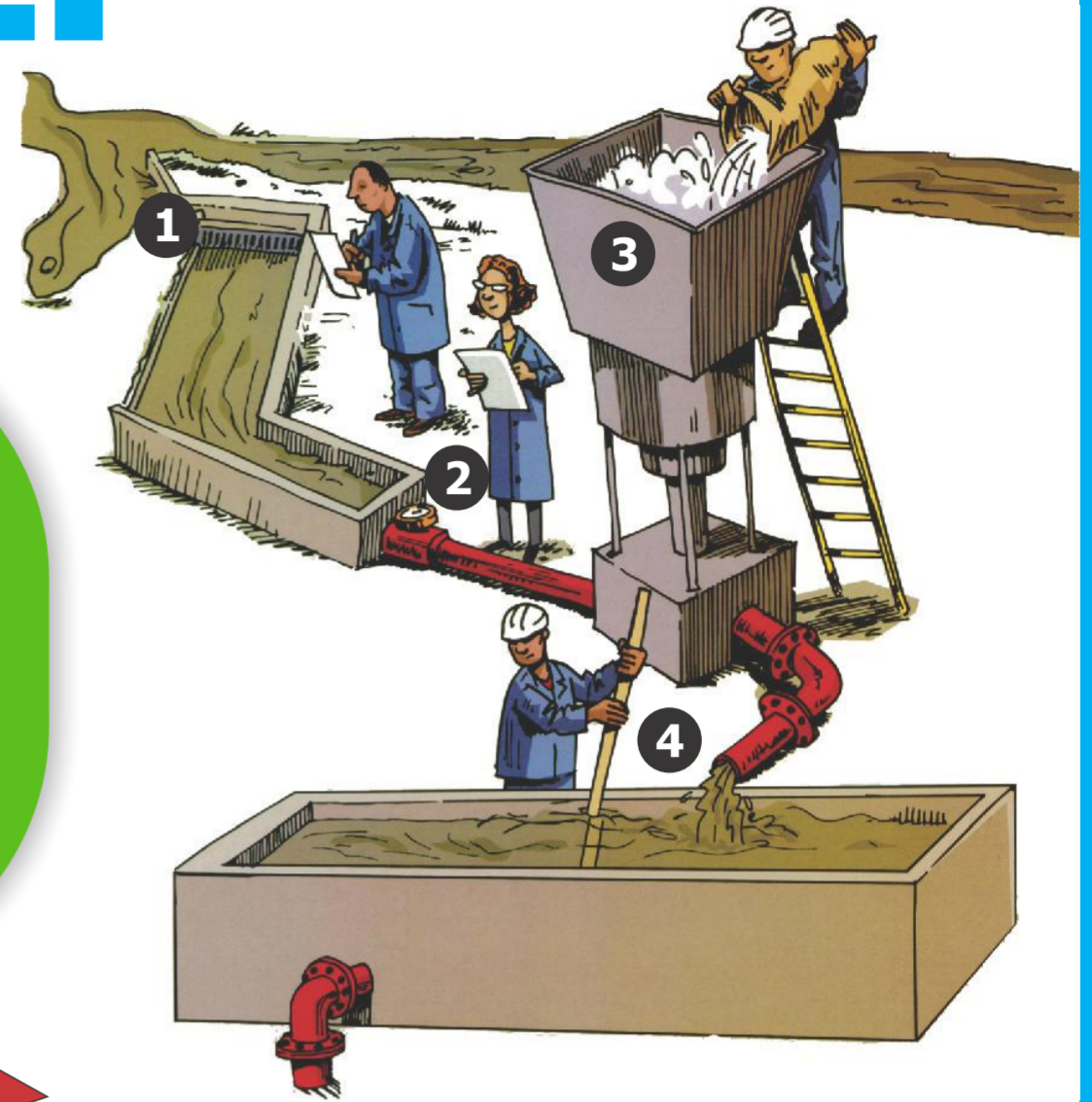




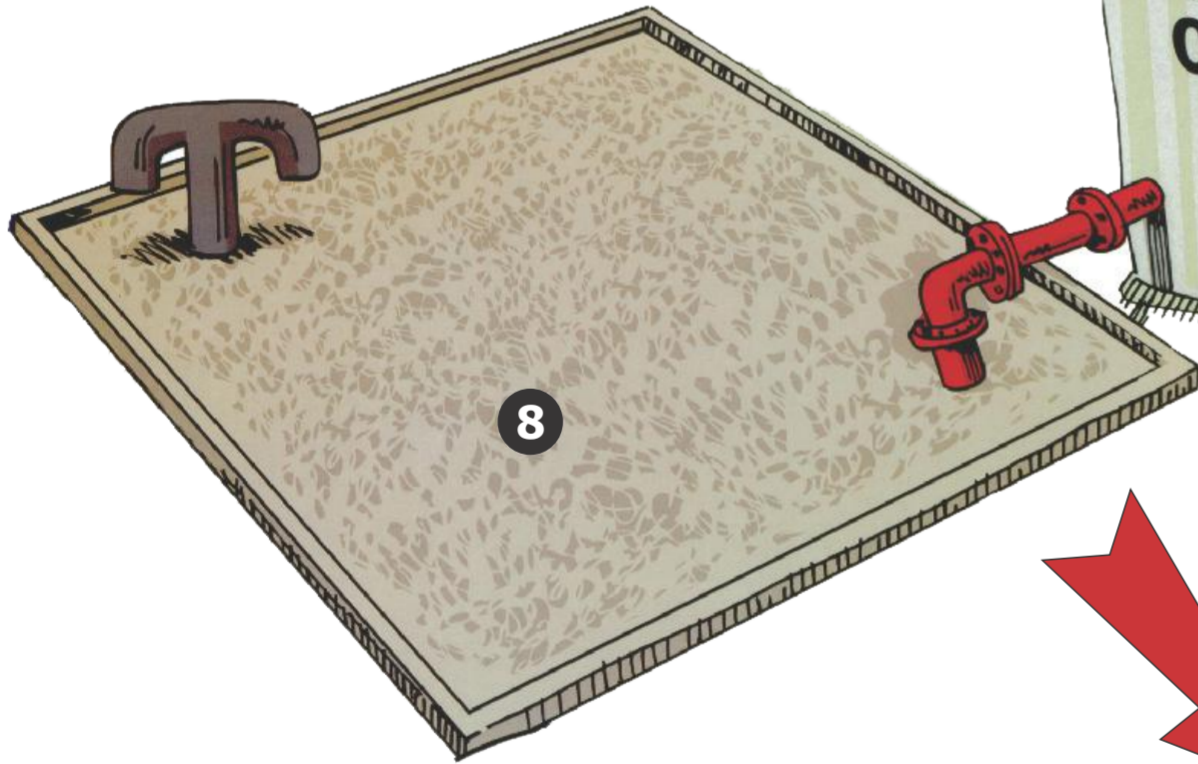
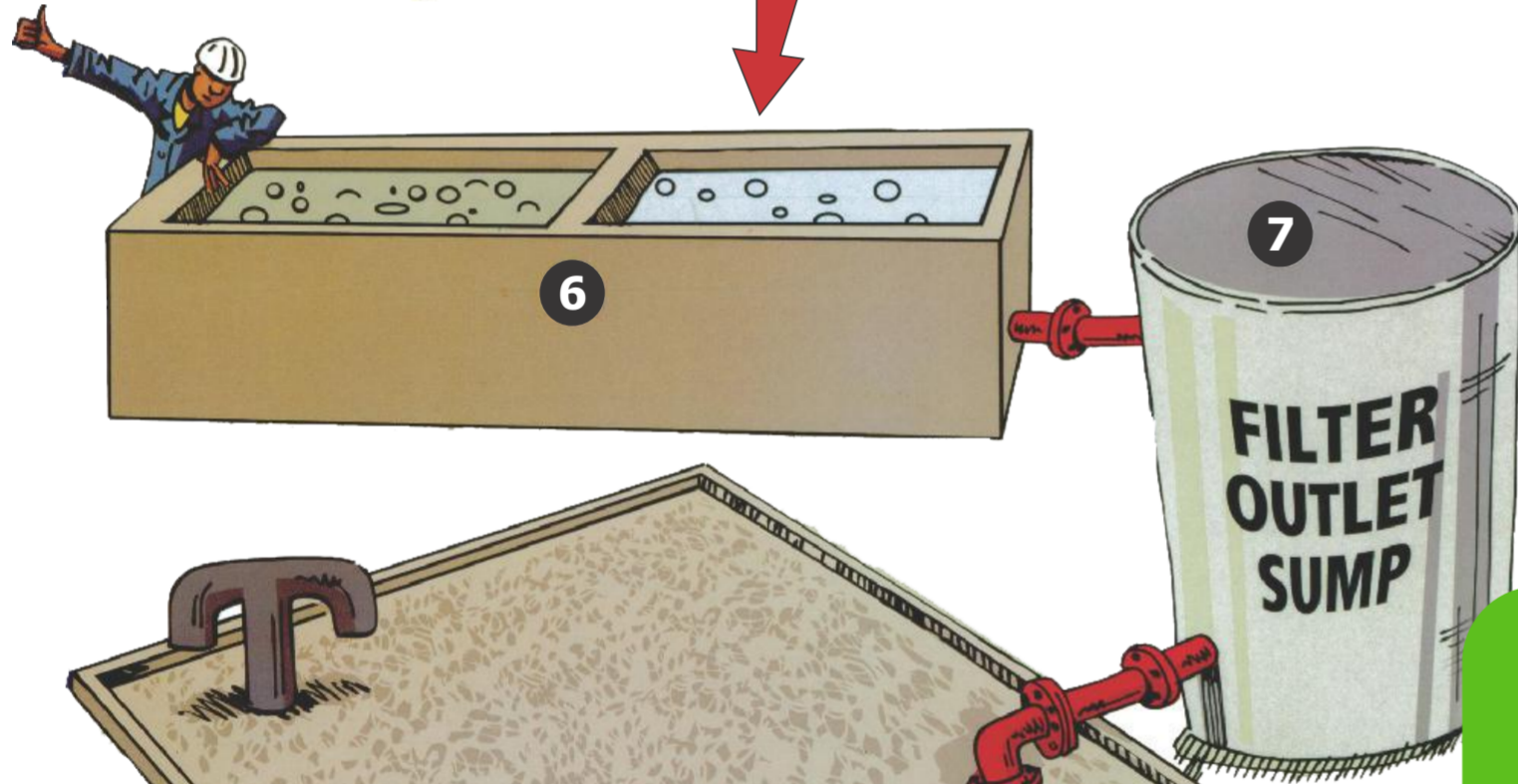
silulumanzi

A SAWW Company

The WATER Purification Process



IMPORTANT:
During all these stages, we monitor chemical, physical & bacteriological samples on an hourly basis, making sure you get clean water!



- 1 Screen**
Raw water is drawn from the river (canal) to a sieve where leaves, rags, branches, etc are removed.
- 2 Intake Valve**
It is where the intake of water is measured.
- 3 Dosing Plant**
Here we add sub floc and lime. Sub floc
- 4 Mixing Chamber**
Here we mix different chemicals together with the raw water so that small particles in the water are joined together.
- 5 Sedimentation Tank**
Floc is formed, it settles at the bottom. (Density of the floc is higher than in water). Floc is then removed at the
- 6 Sand Filters**
The "floc" settlement is passed through a bed of sand, any remaining particles get stuck on the sand. The sand is
- 7 Filter Outlet Sump**
Water is temporarily stored here.
- 8 Main Storage/Disinfection**
Water is disinfected with chlorine gas, the pure / treated water is stored here.
- 9 Treated/purified water is pumped to various reservoirs**
from where it supplies water to your home.

Wow, what a process, purifying river water and then storing it in a reservoir! Now all you do is open the tap for clean drinking water!

