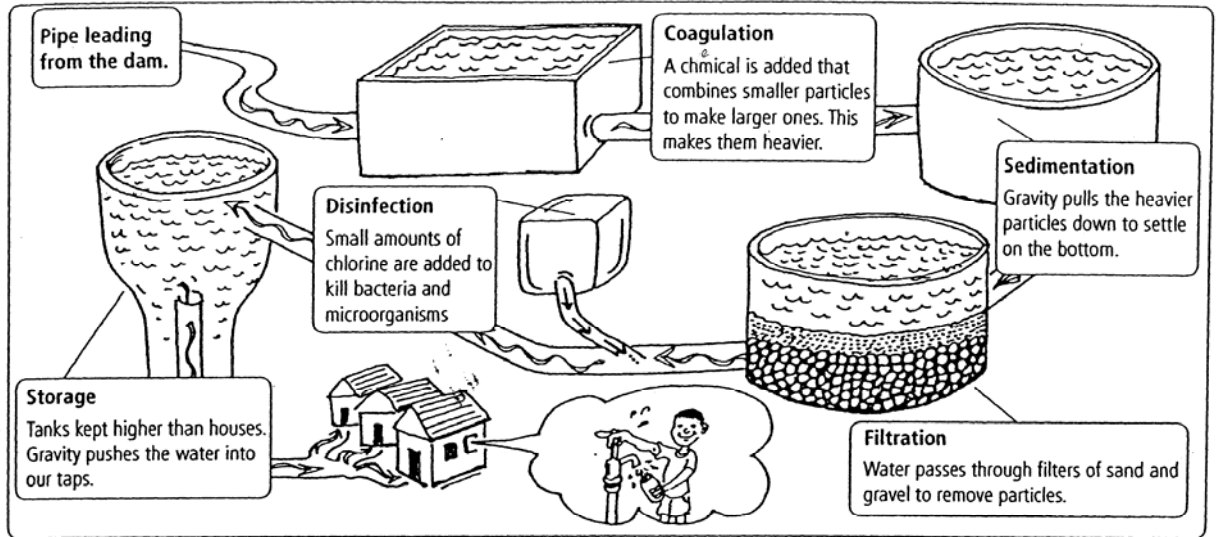


A Journey from the Dam to Your Tap

Focus

This work sheet can be used as a summary of the class visit to a water treatment plant.

Use arrows to indicate the journey of water from a dam to your tap on this diagram. Use the words listed below to complete the passage.



- | | | | | | |
|----------|------------|-----------------|-----------|---------|-------|
| Chlorine | Gravel | Pipes | Chemicals | Settle | Lakes |
| Drinking | Filtration | Micro-organisms | Heavy | Gravity | added |

Rain that has fallen onto the land will either seep into the ground becoming groundwater or it will run across the surface of the land and join rivers, _____ and dams. It is then pumped through _____ to a water treatment plant. The first step is coagulation. Here _____ enter the water forming sticky particles that attract dirt. Smaller particles combine with the chemicals becoming _____. Water now enters the sedimentation process where, over time, gravity pulls the particles down to _____ on the bottom of the tank. This process can be bypassed. _____ is the next step. The water passes through filters that are made up of layers of sand, _____ and charcoal. These filters remove particles including organic matter, clay and silts. Water is usually disinfected after this stage. Small amounts of _____ are added to ensure that any bacteria or other _____ left in the water are killed. Our laboratory monitors the amount of disinfection products that _____ to our water to make sure it is safe for _____. Finally the water is stored at a higher elevation. _____ gives the necessary pressure to force the water into homes and to our taps.