

# Water Treatment Process

There are many ways to purify water. Some of the methods used are

1. Filtration
2. Boiling
3. Chlorination
4. Distillation

Name the Process for the diagram below. Explain how the water purification works does

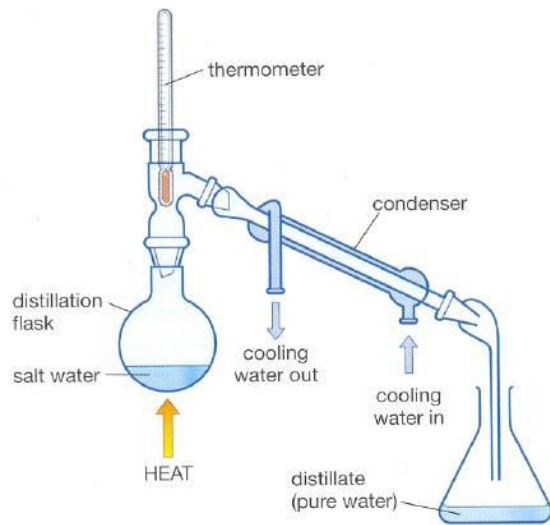


Figure 1a

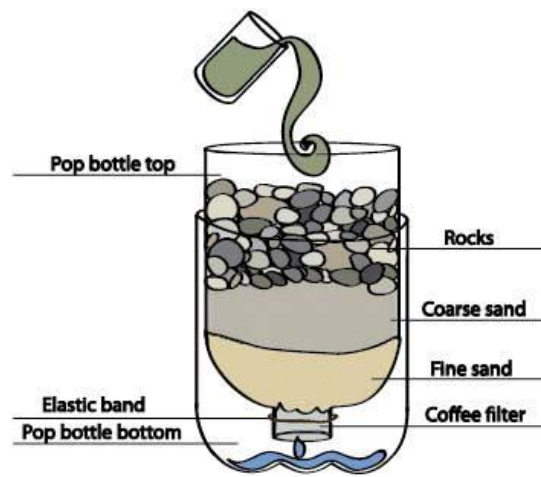


Figure 1b

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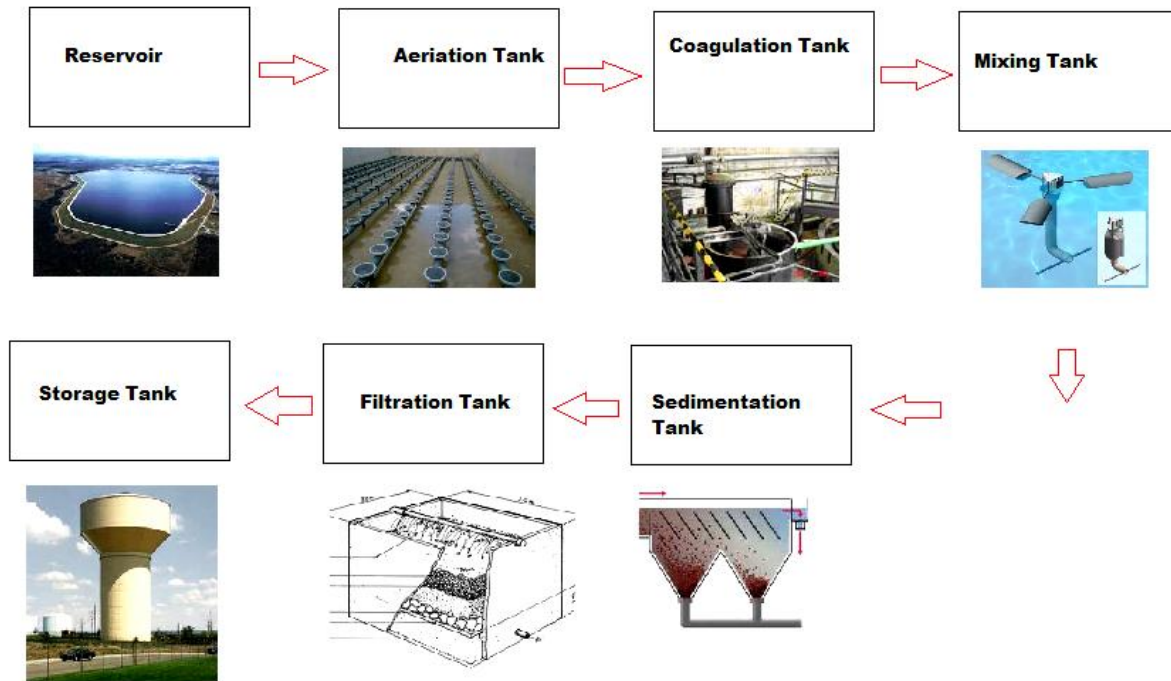
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# Water Treatment Plant

Unlike small water filter or distillation machine, the Water Treatment Plant has the following processes



Water from the rivers are channel into the reservoir. In the Aeration Tank bad smells will be aired and removed from the water. Alum and Lime are added into the water in the coagulation tank. Alum will make particles join together to form larger particles while lime will decrease the acidity of water. In the mixing tank, alum and lime will be evenly distributed in the water the water. The water travels into the sedimentation tank so that large particles will sediment to the bottom. Lighter particles which floats on the water will flow into the filtration tank, suspended particles will be filtered. Clean water will then be stored at the storage tank. In the storage tank, chlorine and fluorine will be added in the water.

## Questions

- a) Why does chlorine added into the water?
- b) What is the function of fluorine?