

Chemistry of water treatment

Lewis Publishers - Chemistry of Water Treatment



Description: -

- Water quality

Water -- PurificationChemistry of water treatment

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Notes: Includes bibliographical references and index

This edition was published in 1999



Filesize: 70.74 MB

Tags: #Water #Treatment #Chemicals

Chemistry

In fact, a human adult needs to drink approximately 2 liters 8 glasses of water every day to replenish the water that is lost from the body through the skin, respiratory tract, and urine.

Treating the Public Water Supply

Typically, surface water requires more treatment and filtration than ground water because lakes, rivers, and streams contain more sediment and pollutants and are more likely to be contaminated than ground water. The debris is too large to pass through the holes in the screens.

Chemistry

Chemicals called orthophosphates, such as phosphoric acid, are added for this purpose. Powdered activated carbon PAC , a finely ground charcoal, is used for this process.

What Are Water Treatment Chemicals

If necessary, the pH can be lowered by bubbling carbon dioxide gas through the water.

What Are Water Treatment Chemicals

Many of these steps depend on one another. The description given here is oversimplified, and many more techniques have been applied in the treatment of water. The PAC with the unwanted contaminants attached is strained out of the water exiting the device for consumption by the filter.

Treating the Public Water Supply

The appearance and application of water is an art. The water that passes through the bottom of the filter no longer contains those solid impurities.

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