

What does desalination mean

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Desalination, or desalting, is the separation of fresh water from salt water or brackish water. Major advances in desalination technology have taken place since the 1950s, as the need for supplies of fresh water has...

Desalination is a process that takes away mineral components from saline water. More generally, desalination refers to the removal of salts and minerals from a target substance, as in soil desalination, which is an...

desalination. noun [U] uk. Your browser doesn't support HTML5 audio. / ˈdiː.səlɪˈneɪʃən / us. Your browser doesn't support HTML5 audio. / diːˈsəlɪˈneɪʃən /. the process of removing salt from sea water: a...

To help meet the demand, a process known as desalination, or desalinization, can be used to create fresh water from both seawater and brackish water, which is less saline than seawater but too salty for consumption....

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Humans cannot drink saline water but saline water can be made into freshwater, for which there are many uses. The process is called "desalination", and it is being used more and more around the world to provide people with needed freshwater.

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No, don't take us literally! Humans cannot drink saline water. But, saline water can be made into freshwater, which is the purpose of this portable, inflatable solar still (it even wraps up into a tiny package). The process is called desalination, and it is being used more and more around the world to provide people with needed freshwater. Most of the United States has, or can gain access to, ample supplies of freshwater for drinking purposes. But, freshwater can be in short supply in many parts of the Nation and world. And, as the population continues to grow, shortages of freshwater will occur more often, if only in certain locations. In some areas, salt water (from the ocean, for instance) is being turned into freshwater for drinking.

The "simple" hurdle that must be overcome to turn seawater into freshwater is to remove the dissolved salt in seawater. That may seem as easy as just boiling some seawater in a pan, capturing the steam and condensing it

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back into water (distillation). Other methods are available but these current technological processes must be done on a large scale to be useful to large populations, and the current processes are expensive, energy-intensive, and involve large-scale facilities.

What do we mean by "saline water?" Water that is saline contains significant amounts (referred to as "concentrations") of dissolved salts. In this case, the concentration is the amount (by weight) of salt in water, as expressed in "parts per million" (ppm). If water has a concentration of 10,000 ppm of dissolved salts, then one percent of the weight of the water comes from dissolved salts.

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