

Desalination Plants



Study*ladder*

Desalination

We can't drink salt water. But if the salts and minerals in the water are removed we are left with clean, fresh drinking water.

Desalination is the process of removing salts and minerals from saline (salt water).

There are many different methods of achieving this. The most common method involves heating saline water until most of it evaporates. The vapour collected as it cools and condenses into fresh water.

The salts and minerals are left behind in a concentrated mixture of salty water called brine. The brine is then put back into the ocean where it can be quickly dispersed into the sea water.





Sea water, river water and waste water such as storm water and sewage can be desalinated to make clean drinkable water. It is not the cheapest option for water supply but is a good alternative for dry countries with unreliable rainfall.