

Salt Water To Fresh Water

How can ocean water be turned into fresh, usable water?

You will need:

Distilled water
Spoon, tape, and ruler
Small clear, clean cup
Salt
Marking pen
Large clear bowl
Plastic wrap
A marble or clean rock

Fill the cup 3/4 full of distilled water. Add one heaping spoonful of salt to the water and stir for 3 minutes. Pour the salt water into a bowl. Place the cup directly in the middle of the bowl. Cover the bowl tightly with plastic wrap and secure the plastic wrap with tape. Do Not Let The Plastic Wrap Touch The Cup! Place a marble on the plastic wrap and center it above the cup (don't let this touch the cup either). Place the bowl in the sunlight on a black background. Observe and record the level of the salt water in the bowl each of 4 days, marking the level with the pen. Observe the water collecting on the plastic and dropping into the cup. Each day, tap the plastic with the marble lightly to collect more water in the cup. On the fifth day, remove the plastic wrap and taste the water in the cup. Leave the uncovered bowl in the sun until all of the water evaporates and observe the remains in the bottom!

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