

How come rain is not salty???



Need:

3 Teaspoons of Salt

1/2 Cup of Water

Spoon

1 Aluminum Tub

Cup

Heat Source

- Candle, Matches and Stand

- Younger Kids could use sunshine over a longer time-frame

How to:

Pour your water into a cup

Add in your salt

Stir until it is dissolving

Pour a small amount of your salty water into your aluminum tub

Set up your heat source (*either your candle with metal stand, or a sunny place in the sun*)

Put your salty water tub in / on the heat source and let the water start evaporating

As the water level reduces, add in more of your salty water, until you have evaporated all your salty water

After all your water is evaporated what is left?

Salt!

What's happening in this experiment?

The heat causes the water in the aluminum container to evaporate.

This is the same as when the sun heats the ocean and the water molecule rise up to form clouds which eventually becomes rain.

Just as in this experiment the salts in the ocean remain behind as they have in your aluminum tub.

How come rain is not salty?

The salt in the water does not evaporate

