



WATER WATER EVERYWHERE

Name: _____ Date: _____

SOLAR STILL

THINK FIRST!

When ocean water evaporates, what happens to the salt that was in it?

MATERIALS

- 1 plastic bag
- 1 small cup
- 2 feet of string
- measuring spoons
- salt
- water

PROCEDURE

1. Cut about 3 inches off the end of the string.
2. Put 2 holes in the cup near the rim and put the long string through the holes. Tie the ends.
3. Put 1/2 cup of water in the cup.
4. Add 1 teaspoon of salt and mix.
5. Put the cup in the bag and tie the bag closed with the short string.

6. Hang the bag and cup in the sun and wait 1-2 days.

7. Normally, we do NOT taste chemicals we are using in experiments; however, in this case we will. Taste the water in the cup. Taste the water in the bag. What do you observe?

CONCLUSION

QUESTION

How might this technique be used to clean polluted water?

CHALLENGE

Can you think of any way to make your solar still more efficient - that is, to have it produce more fresh water in less time?
