Survivor Challenge

Materials: clothing including a raincoat, a shampoo bottle, a glass bottle, duct tape, a paper cup, matches, a magnetic compass, toothpaste, many large shells, rocks, gravel, huge tropical leaves, firewood, a broken cell phone, and lots and lots of sand.

You’re stuck on this island while you’re going on your holiday vacation. There’s no fresh water around for miles and you need to do all the things on your bucket list. Luckily, you bought your handy Survival Manual. You would need to remove the salt from the ocean water, and allow yourself to hydrate. You flip to the page with “Water Purification” since you know you need water to survive.

Water Purification (Dirty Water Filter)

Find 3 rounded bowl objects, such as a coconut or a bowl made from a tree. Then, you would put some rocks in the bowls until it fills up to the top. One bowl is for medium-big rocks and the other bowl is for small-tiny rocks or pebbles. Next, you find a water source, such as the ocean or a river, and then put wet sand into the last bowl. Also, you should grab the water from the water source using a container. Then, you would get some bark or the tree skin from a tree. Next, find some big tropical leaves, and lay it on the floor, along with the material in the 3 bowls that you’ve gathered on top of the leaf. After that, you should roll the bark into a circular shape shown in the picture, and then wrap another piece of bark around the top of the circular piece of wood, and then tighten the two pieces of wood using more bark. Then, put some wood in-between the layers of the circular wood to make 4 poles sticking above your circular wood, and with 2 platforms below the wood. Next, stuff a big tropical leaf into your wooden bowl looking object, and then make a bonfire to get some burnt wood. You could also find charcoal or coal. But after you’ve found coal, put it into a bowl and wash the coal with water, then dump your washed coal onto the leaf with your sand and rocks. Now poke some holes in the leaf inside your circular wood, and then put some dead grass in a circular form and put it inside your leaf in the wooden bowl. Next, you put your coal as the next layer, above the dead grass. Thirdly, you put your medium to big rocks as the third layer, and then the pebbles or small rocks as the fourth layer. Last, but not least, you put the moist sand into the bowl with the leaf inside. Then, once you’re done with all the layers, test it out with the dirty water, and then put water into your filter. The water should be cleaner than the original water from your water source. Keep putting water into the filter. As a result, the filter gets more efficient and the water gets more clean.

You read the Survival Manual and learn how to make a water filter. Lucky for you, you have everything that you need to make the water filter. Then you use the water filter to filter out the salt out of the ocean water that surround you. You use the water filter for a week before rescue arrives. You have survived because of your awareness in science class, and tell your friends about your adventures.

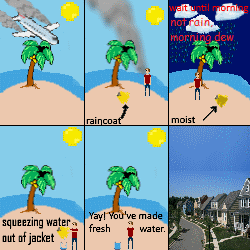
***Diary; December 26th, 2017***

Day 1: December 26th, 2017 6:45 P.M

I use my science knowledge and make a distillation method using my materials. I have already made a water filter, but to insure the quality of the water, I must make a distill the water. Firstly, I put some firewood on the ground and use something to hold the glass bottle above the fire so I can distill the salt water, and clean the toothpaste tube. After that, I place some wood on the ground for support, and use some duct tape to hold the glass above the fire. Once the glass is held up, I put a hole in the side of the glass bottle and attach the toothpaste tube into the glass bottle leading into the paper cup.

December 26th, 2017 7:04 P.M

I had just finished setting up part of the distillation method and continue to finish it. I then put the shampoo bottle around the toothpaste tube and the shampoo bottle is filled with cold water, with a hole under the shampoo bottle to have the toothpaste tube to go through. Next, I put two holes at the ends of the shampoo bottle to let the cool water in and out. One is near the upper front of the bottle, and the other was near the bottom of the bottle. Which is now our condenser. Now, the method is finished and we now test it. We first use our match to light up the firewood and let the water evaporate into the toothpaste tube. Then what should happen next is when the condenser kicks in and turns the gas back into a liquid. That is our distillation method and we continue to use the method to drink clean water and survive.



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