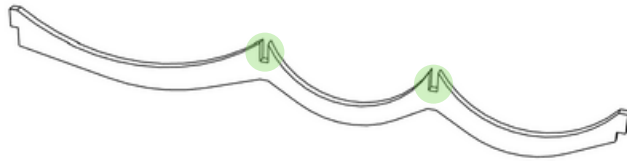


Water Filter



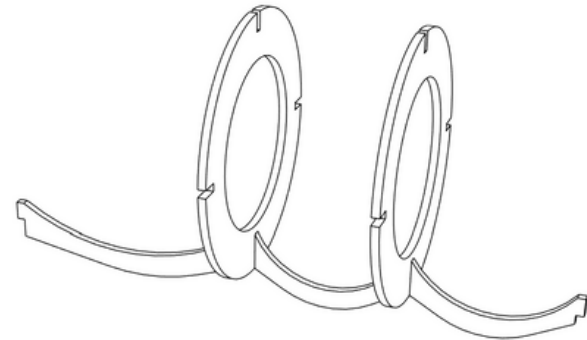
Follow each step in sequence and glue the pieces together as indicated in the images.

1



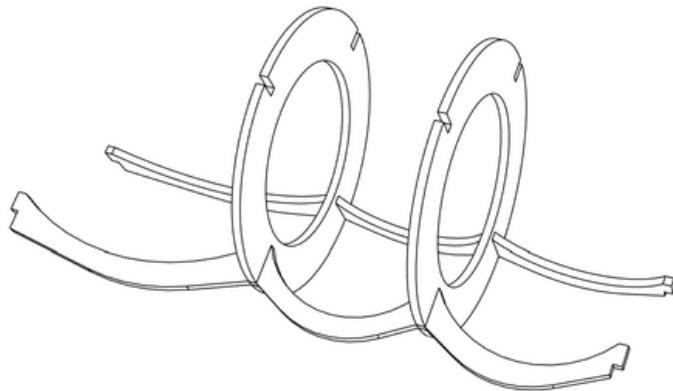
Start with one of your curved side supports. Put glue in each of the slots, as in the image above.

2



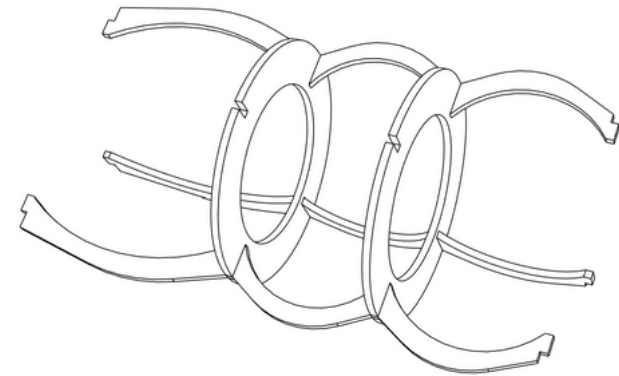
Take the 2 circles with the slots in the side, and slot one into each slot of the side support. Wipe away any excess glue.

3



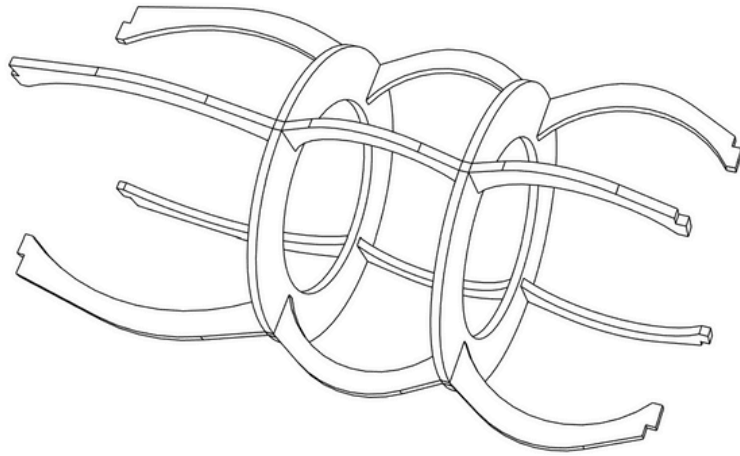
Repeat Step 1 for the second support, and slot it into the circles. Wipe away any excess glue.

4



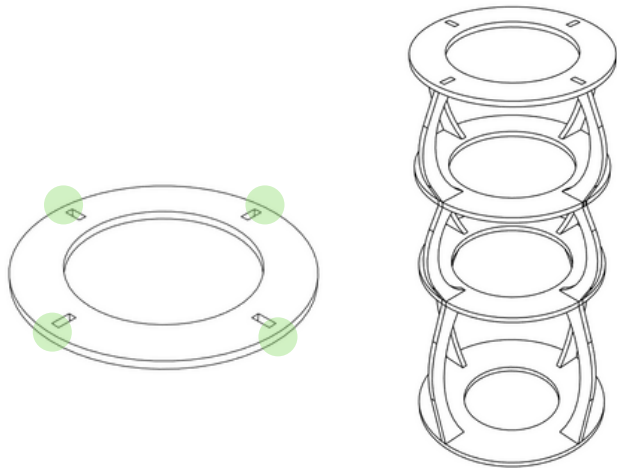
Repeat Step 1 for the third support, and slot it into the circles. Wipe away any excess glue.

5



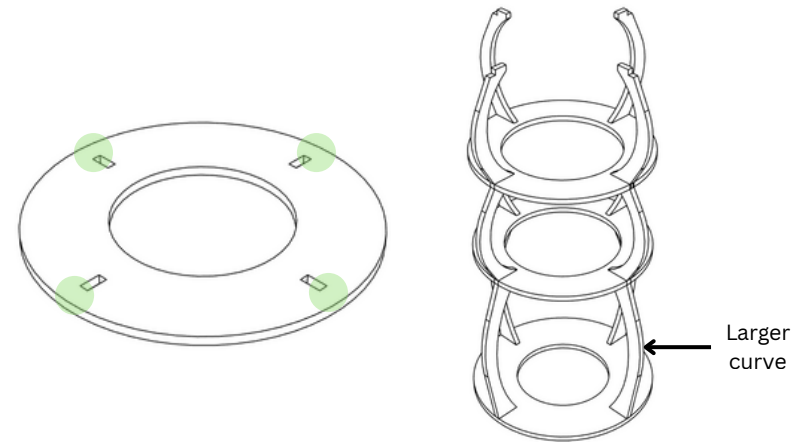
Repeat Step 1 for the last support, and slot it into the last open slot of the circles. Wipe away any excess glue.

7



Take your top piece (the remaining circle), and put a small blob of glue between the edge of each slot and the edge of the circle. Take your structure from Step 6, turn your top circle over so that the glue is facing down, and glue it onto the tabs at the top of the structure.

6



Take your base piece (the larger of the 2 remaining circles), and put a small blob of glue between the edge of each slot and the edge of the circle. Take your structure from Step 5, making sure the larger curve is at the bottom, and slot the tabs into the base.

8

Set your water filter structure aside to dry for a bit, before we add the the actual filters.

9



You should have 4 pots (3 have holes, 1 does not), a coffee filter, a bag with large stones, a bag with small stones, and a bag with cotton wool.

10



Empty your bag of large stones into one of the pots with holes. Set aside.

11



Empty your bag of small stones into one of the pots with holes. Set aside.

12



Cut your filter in half, **following the curve, and keep the bottom half**. Open the filter bag, and spread it out inside the last pot with holes. Fill the filter paper with the cotton wool, making sure to spread the cotton ball out to fill the whole pot.

13



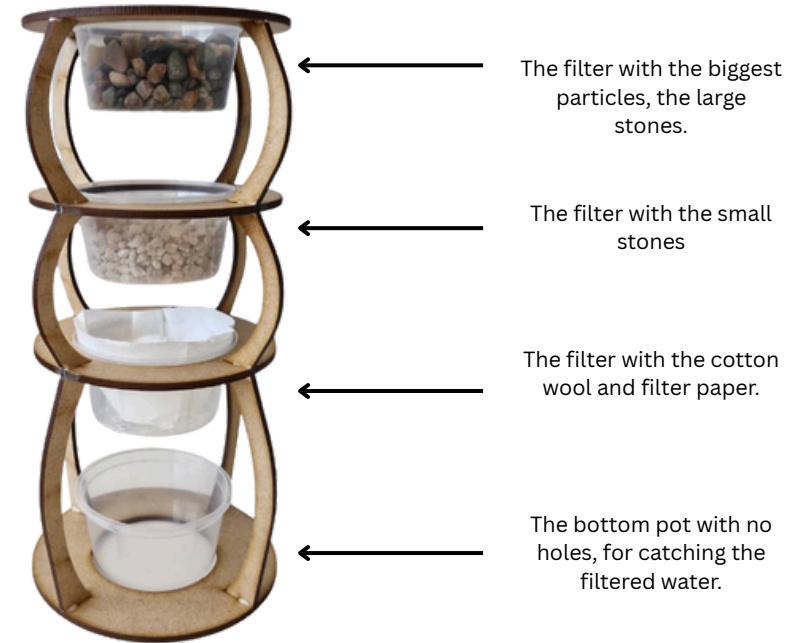
You should now have 4 pots like the image above.

15

Take a glass and put some water in it, then throw in some dirt and leaves from the garden, maybe some sand and bark too, and mix it around until you have a nice glass of dirty water. Pour this slowly into the top filter, a little at a time so that nothing overflows, and watch how your filter makes the water cleaner with every step!

PLEASE **DO NOT DRINK** THE FILTERED WATER, even if it looks clean!

14



Slot them into their holes, following the order in the image.

Why do you think the filter with the biggest particles is at the top, and each step below has smaller and smaller particles, until we get to the fine mesh of the cotton wool and coffee filter at the bottom?