

## **A Penny Saved- How to Build a Water Table**

**Wearing safety glasses, cut the 30' PVC pipe with a hacksaw as follows:**

- 2 – 30” side supports**
- 2 – 28” bottom supports**
- 2 – 16” side supports**
- 4 – 14” legs**
- 4 – 2½” bottom supports**
- 2 – 3½” bottom supports**
- 4 – 3” vertical supports**

**Apply the NSF cement primer and PVC pipe cement in a well-ventilated area and wear rubber gloves to protect your hands. When combined, these two products will create the glue compound. Gluing pipes together is done in the following manner:**

- a. Use the NSF cement primer’s applicator brush and slather the 2 pipes you wish to connect.**
- b. Use the PVC cement’s applicator and slather the pipes on the same area.**
- c. Apply pressure to connect the pipes and hold for 10 seconds.**

**Create the top, rectangular support layer by gluing the following:**

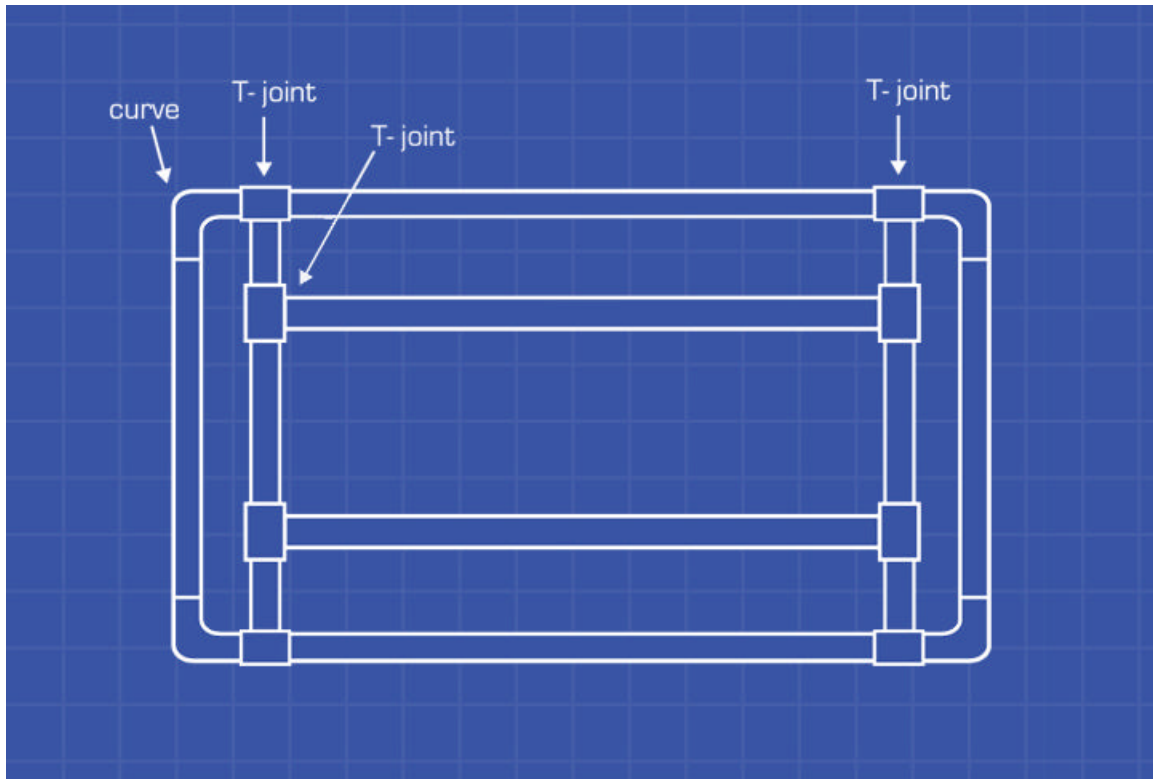
- a. 4 - 90 degree elbows to 4 - T joints making 4 - elbow/T joints.
- b. 2 – 30” side supports to the T joint end of the elbow/T joints
- c. 2 – 16” side supports to the elbow ends.  
Make sure the T joints are all facing down.
- d. Attach the remaining parts to create a rectangle.
- e. Glue 4 – 3” pipes to the bottom of the T joints.

**Form the bottom support layer:**

- a. Take 2 – 2.5” pipe segments, 1 – 3.5” segment and 2 – T joints.
- b. Form a line, connecting a length of pipe into the end of a T joint so it creates the pattern:  
2.5” Pipe > T joint > 3.5 “ Pipe > T joint > 2.5” Pipe.
- c. Take 2 more T joints, and connect the center opening to either side of the line. Before the glue sets, rotate the two end T joints so their open holes point up.
- d. Repeat these steps to make the other side.
- e. Using the 2 – 28” pipe segments, connect the two sides by way of the two middle T joints. These will act as support cross bars.

### Connect the two layers:

- a. Place the top rectangle upside down, so the 4 – 3” pipe segments are sticking up.
- b. Using a brush apply glue to the top of each pipe.
- c. Lower the support layer onto the rectangle, making sure that all of the 4 pegs are inserted into the open holes of the T joints.



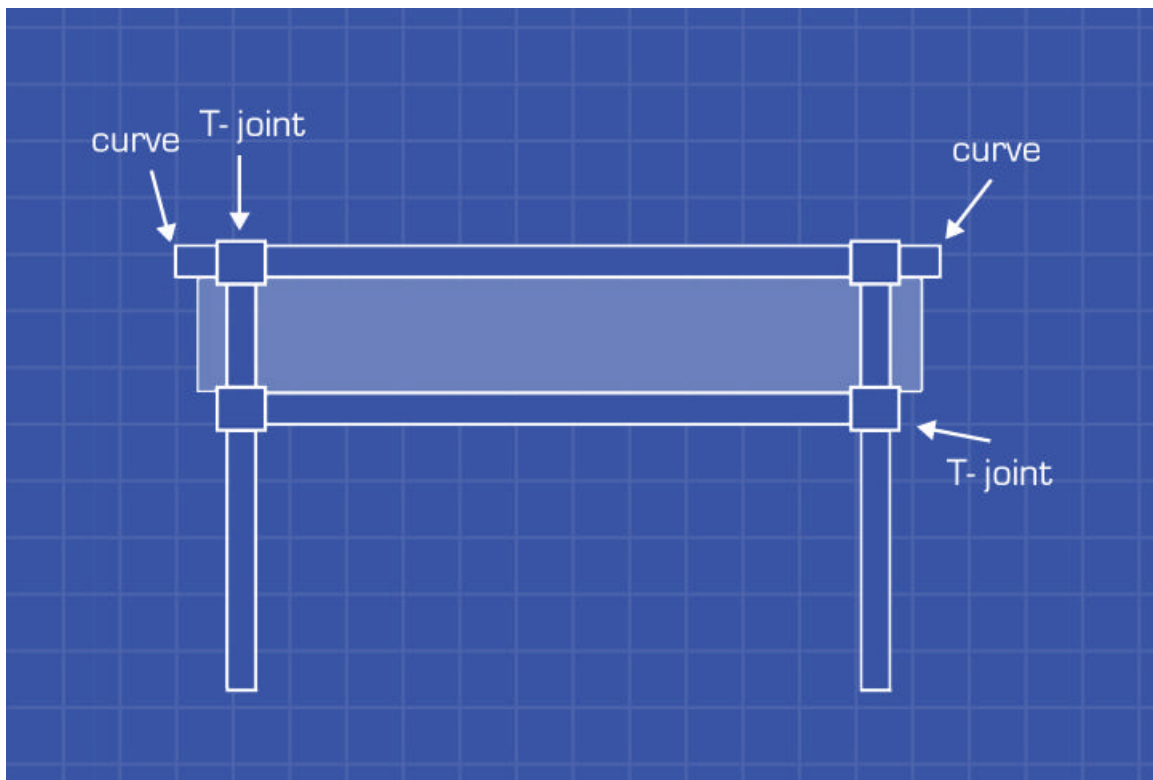
### Add the legs:

- a. With the tabletop still lying upside down, coat the inside of the 4 open T joints with glue.
- b. Insert one of the 4 – 14” pipe segments into each of the holes, to create the legs.

c. Lightly tap each one into place, to ensure the table's legs are even.

**Add the bucket:**

- a. Flip the table right side-up and place the bucket into the rectangle, resting it on the two cross bars.
- b. Using a drill, cut a hole into the bottom of the bucket. Make sure the diameter of the drill bit is the same size as your pre-selected sink stopper.
- c. Push the sink stopper into the hole you have just filled.



**Add water and enjoy!**