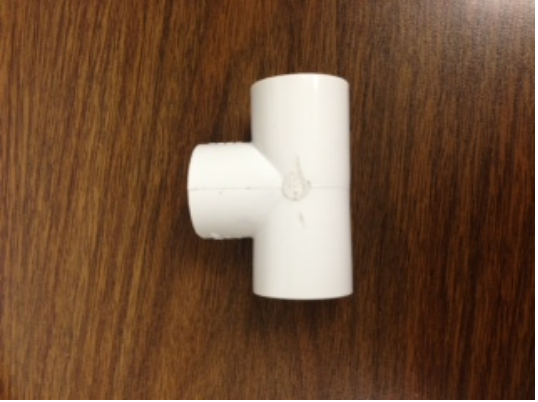










Materials

Name & Description	Quantity	Reference Name	
$\frac{3}{4}$ " diameter T connection – female/female	2	1A and 1B	
$\frac{3}{4}$ " diameter 2" in length – male/male	6	2A – 2F	

<p>$\frac{3}{4}$" diameter angle connection– female/female</p>	<p>1</p>	<p>3</p>	
<p>$\frac{3}{4}$" drop to $\frac{1}{2}$" connection – female/female</p>	<p>1</p>	<p>4</p>	

<p>$\frac{3}{4}$" drop to $\frac{1}{2}$" connection – female/male</p>	<p>1</p>	<p>5</p>	
<p>$\frac{3}{4}$" ball valve – female/female</p>	<p>1</p>	<p>6</p>	
<p>$\frac{3}{4}$" swing check valve</p>	<p>1</p>	<p>7</p>	

<p>3/4" diameter check valve</p>	<p>1</p>	<p>8</p>	
<p>2 Liter Bottle</p>	<p>1</p>	<p>9</p>	

Notes:

Other materials include a hose for the inlet and a hose for the outlet. The inlet hose is not provided and makes use of a typical garden hose. The outlet hose is provided but in order for the pump to raise the water, the outlet hose must be elevated to no more than 20 feet.

Also, Teflon tape or a plumbing glue for PVC piping is necessary for a secure connection between all pieces.

Instructions

Important: All connecting parts should use Teflon tape or a plumbing glue to prevent any water leaks. The pump will not work if leaks are present.

1. Begin by connecting part 2A to either side of part 6.
2. Link 1A to the other side of part 2A.



3. Attach 2B to the opposite side of part 1A.



4. Connect part 3 to the alternate side of part 2B.



5. Connect 2C to the other side of part 3.



6. Obtain part 8, and connect part 8 to part 2C, with the arrow on part 8 facing downwards.



7. Assemble part 2D to the top of part 1A.



8. Connect part 7 to part 2D, with the arrow on part 7 facing downwards.



9. Connect part 2E to the top of part 7.



10. Connect part 1B to the other side of part 2E with the single stem on part 1B facing the right.



11. Connect 2F to the opposite vertical side of part 1B.



12. Connect 4 to the top of part 2F.



13. Connect part 5 to the single side of part 1B.

