

Prep Instructions

Demonstration

The following items will be required for the prep of this activity:

- 2 m long rod (such as a broom handle)
- 3 pop bottles (2 L)
- heavy duty duct tape
- Kool-Aid (or similar)
- 2 stools or chairs
- laboratory bench
- 3/4 in. wide clear plastic tubing
- 1/2 in. wide clear plastic tubing
- 3/16 in. wide clear plastic tubing
- large bucket
- ruler

Step 1

Remove the labels from the pop bottles. Place two strips of duct tape approximately 20 cm apart on each bottle (**Figure 1**). Ensure the position of the tape is identical on each bottle. It can be helpful to use a ruler to measure the exact distances.

Step 2

Pour a different colour of Kool-Aid into each bottle.

Step 3

Carefully lift two stools or chairs onto a laboratory bench near a sink, placing them about 1 m apart. Place the rod over the backs of the chairs and secure the rod in place with duct tape.



Figure 1

The Siphontific Method - Prep Instructions

Step 4

Place the three bottles in an evenly spaced line on the bench parallel to the rod. Firmly duct tape the three bottles to the bench surface, ensuring the duct tape lines are still visible.

Step 5

Insert one end of a piece of plastic tubing into a bottle. Drape the other end up over the rod, into the sink or bucket. Repeat for the other two bottles and the other two lengths of plastic tubing, as shown in **figure 2**.

Step 6

Place the bucket on the floor below the rod and bottles.

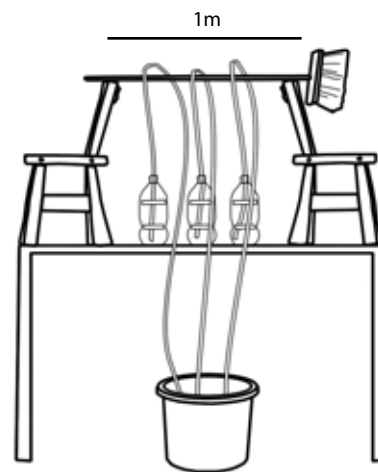


Figure 2