

The Lorzos' *Three Glass Water Mystery*

Here's another "Fun With Science" experiment by Ima Whiz.

Needed:

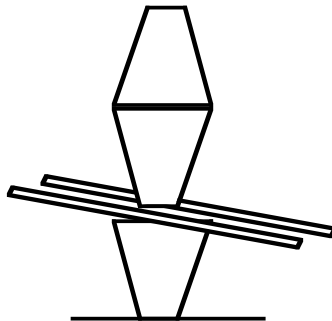
3 plastic glasses, 2 pencils, a straw and some water

Setup:

Fill 2 of your glasses with water and place them mouth to mouth keeping the water inside both of glasses.

(Note: There is an easy way to do this without making a huge mess. Place enough water into a sink or pan to cover the two glasses. Place them mouth to mouth under the water and then lift out of the water while holding the glasses together tightly.)

Next place these 2 glasses on top of the 2 pencils resting across the mouth of the 3rd glass like in the illustration below.



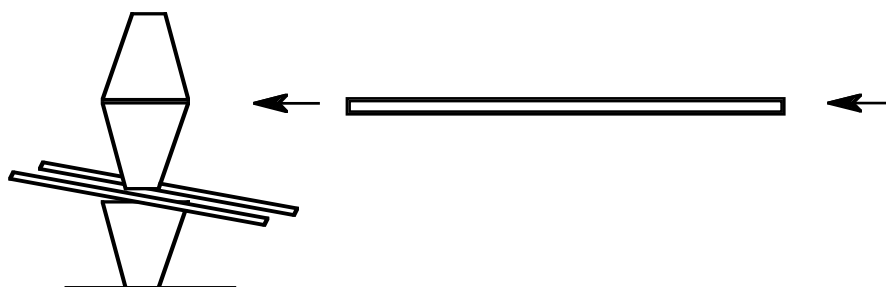
Problem:

Now here's the puzzle – how can you get the water from the top glass into the bottom empty glass? You must do this without touching it in any way! Do you have any ideas on how to do this?

Secret:

All you need is a simple little tube or soda straw; then watch as science takes over. Use the straw to blow a stream of air on the seam where the mouths of the two upper glasses come together. Now watch what happens, it's amazing!

(Three Glass Water Mystery Continued)



Reason:

“When the downward force of gravity prevails, the fluid or water in this case, conforms to the shape of the container thus collecting in the lowermost portions. Since air is lighter than water and a slight pressure or force will change the form of the fluid, the air being blown into the glass of water therefore forces the waters transference and to gravitationally flow downward.”

In other words, when you blow air into the top glass it forces the water out of the glass. Gravity then takes over and the water sinks around the middle glass and into the bottom glass. Your mission is accomplished.

NOTE: Make sure you do this experiment in a sink, outdoors or on a table that will not be ruined if water is spilled on it. Place a towel or plastic tarp under the area where you plan to present this science magic trick just in case you make a mess. Take your time, and carefully blow through the straw on the seam where the 2 glasses come together and you will have fun doing this science experiment.



Magical Mysteries
Dale & Elaine Lorzo
www.DaleLorzoMagic.com