

Hydrology Experiment Tips

Read below for extra tips to help you complete your science experiments.



Water Filter Column

- Do not drink the water. Filtration is just one step in the water purification process to make water safe to drink.
- Use scissors to open the material bags to avoid spills.
- Be patient. Do not shake the filter column while the water drips. Allow the materials to dry in between trials so they are most effective.
- Use the filter funnel help pour materials into each filter section.
- If you run out of filter paper, try using coffee filters to experiment further. Experiment rearranging your filter sections over and over again.
- Remember to wash your hands after handling the wastewater and materials.



Spinning Sprinkler

- Use the stick to help push and thread the string through the straws.
- If the stick slips off the straw, secure it with stronger tape, like duct tape.



Rainbow-Colored Acid Test

- Cut your pH strips in half to test more liquids.
- To test solids or powders (like salt, antacids, detergent, etc.), dissolve them in water first. Refer to your experiment guide for substances to test or come up with ideas of your own.
- Quickly dip the pH strip into the substance (just for a second or two). That's all you need! Be patient and wait for several seconds to watch and see if the strip changes color.
- Remember to wash your hands after testing liquids.