

Water Purity Experiment

Fill several numbered glasses with clear liquids. Some suggestions are as follows:

clear water
flat lemon-lime pop
salt water
sugar water
vinegar water
water with citrus juice added
water with baking soda added
flavoured carbonated waters

Steps:

Provide the girls with cotton swabs (e.g. like Q-tips).

Have them dip a fresh swab into each solution and taste the swab (then they are not cross contaminating the solutions or passing germs to each other).

Have the girls write down what they think is in the solution and check against your master list to see how they did.

Follow this up with a discussion about how water can look clean and pure but really not be.

This can be used for a discussion on water pollution or on why we must use properly purified water when at camp.

