MAKE A

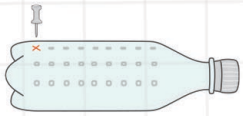
Plastic Bottle Sprinkler

Keep cool on a hot summer day using Pascal's Principle and this plastic bottle sprinkler!

Hint! Use a sturdy one-liter soda bottle to create a big spray like in the photo.

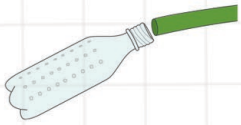
What you'll need

empty plastic bottle | duct tape | push pin | garden hose with one threaded end



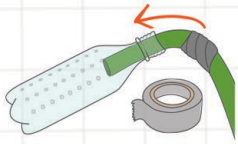
Step 1

Use the push pin to poke holes all over the plastic bottle.



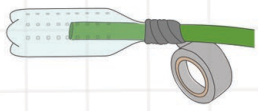
Step 2

Place the free end of the garden hose inside the plastic bottle. Hook up the other end to a spigot.



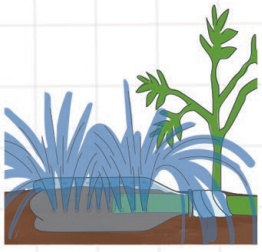
Step 3

Wrap a piece of duct tape a few inches from the free end of the hose, then push the hose into the bottle. If it's loose, add more tape until the hose fits snugly in the bottle.



Step 4

Wrap more duct tape around the mouth of the bottle and the hose. Use several layers to make sure the seal is watertight.



Step 5

Turn on the water and enjoy your sprinkler.

WHAT'S GOING ON

When the hose pushes water into the filled bottle, Pascal's Principle says the water will push out evenly — through all the holes you poked! Because the pressure is equal, the jets of water are all equally strong.