

DIY WATER SPRINKLER

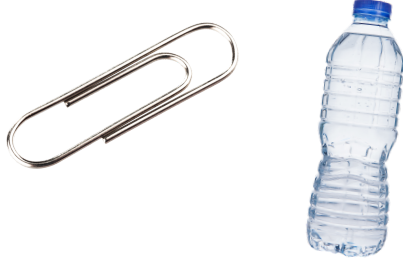


ADULT SUPERVISION NEEDED

SCIENCE CONCEPTS

Gravity

Air Pressure



You'll need

- An empty water bottle with a lid
- Needle or paper clip
- Water

LID UNSCREWED

Gravity pulls the water down and out through the holes. Air rushes in through the loose lid to replace the lost water, keeping the air pressure inside and outside the bottle equal.

LID TIGHTENED

Air can no longer rush in to replace the water. As a tiny bit of water starts to leave, it drops the air pressure inside the bottle. The higher air pressure outside pushes back against the holes, trapping the water inside!

Instructions

- Carefully use the needle or paperclip to poke a small hole at four points around the bottle about 1.5 inches up from the bottom.
- Place the bottle in a sink and fill it with water. Quickly screw the lid on the bottle.
- Open the lid, and water will spray out through the holes.
- Close the lid, and the water will stop.

