



Science Fair Projects

Pre-K to 2nd Grade

Air (air pressure)

Purpose

Sodas, milkshakes, and root beer are all fun to sip through a straw. It would be fun to sip them through two straws, could you sip liquid through three straws? Four straws? What is the most you could use? Let's find out.

Materials

Plastic straws, clear tape, plastic soft-drink bottle, and water.

Experiment

Fill the bottle with water. Tape two straws together. Now try to drink through the two straws. Was it hard? Add one more straw. Such hard! Did it work? Try adding more.

How many straws can you tape together and still drink through?

_____ .

Results: Air pressure pushes down on the water in the bottle and also down on the water in the straw. When you suck the air out of the straw there will be no air pressure pushing down on the water in the straw, only air pressure pushing on the rest of the water in the bottle. The air pressure in the bottle pushes the water up the straw.