

Two Sheets of Paper

Apparatus

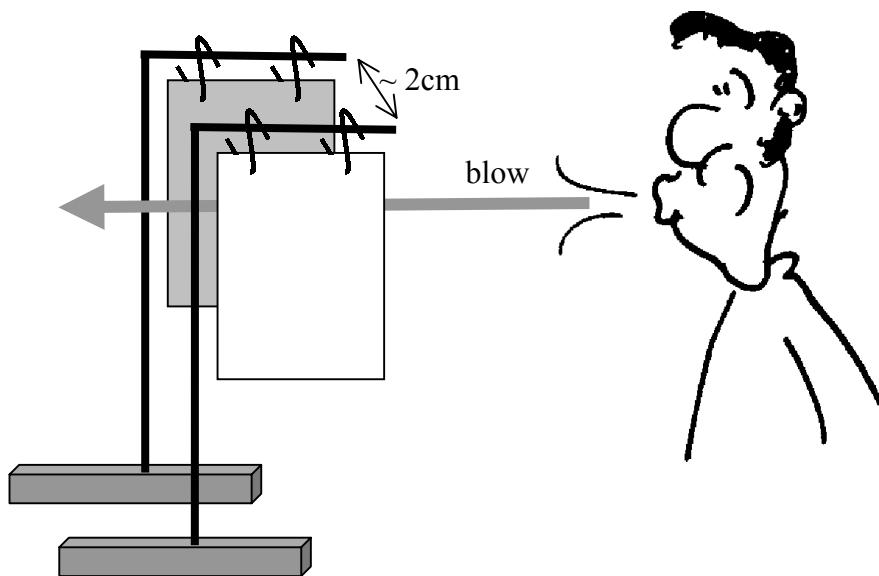
two pieces of paper, two retort stands with clips to hold the paper
The sheets of paper should be hung parallel, spaced a few centimeters apart.

Action

The students blow between the two pieces of paper. An extension is holding a single piece horizontally and blowing along it so that it rises.

The Physics

When you blow between the two pieces of paper the air between them is at a higher velocity and lower pressure than the air around them and they are pushed together. This is an application of the Bernoulli effect.



Accompanying sheet

Two Sheets of Paper

Blow between the sheets of paper.

Explain what you observe.

Where else have you observed this effect?