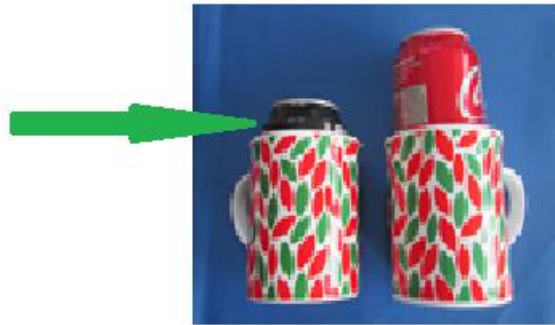


Bernoulli effect

Read it -- Try it safely -- Explore it further

Example 1



Place an empty soft-drink can in a mug

Hold the mug by hand

Blow air in direction of green arrow

Blow really hard!

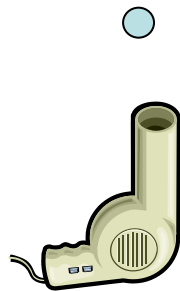
What do you notice?

The “uplift” is similar to what enables an airplane to rise off the tarmac when air blows across the wing.

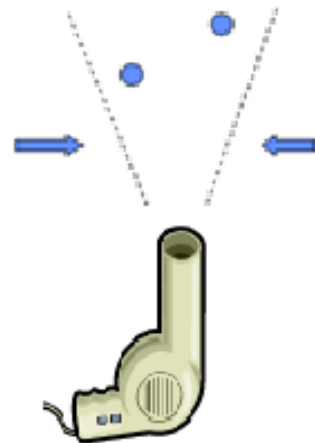
Example 2

Switch on a hair-dryer facing upwards

Place a table tennis ball above it



Instead of blowing away,
it bobbles about as if inside
an invisible cone
due to inward air-pressures
represented by blue arrows.



If you have two table tennis balls and time to practice, you may teach them to dance.

Extension activity: Explore other examples of Bernoulli effect