Drinking through a straw

$$p_{air} = p_{mouth} + \rho_{water} \cdot g \cdot h_{water} = p_{total}$$
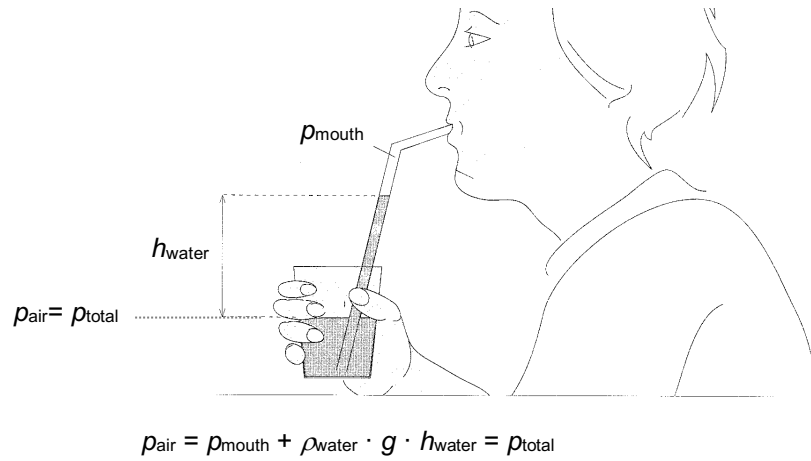
picture: Physik I, Dumm/Schild/Mürset

When drinking through a straw, we reduce the pressure in the upper part of the straw.

As a consequence, the pressure inside the straw is less than on the outside, and the water is pushed up the straw by the pressure of the atmosphere.