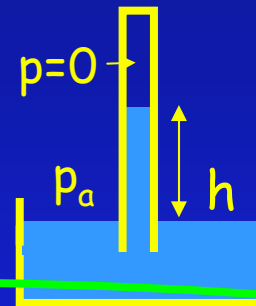
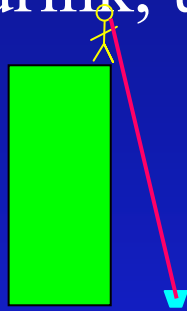


# Preflight

Is it possible to stand on the roof of a five story (50 foot) tall house and drink, using a straw, from a glass on the ground?

70% 1. No

30% 2. Yes



$$P_a = \rho g h \quad h = \frac{P_a}{\rho g}$$

The atmospheric pressure applied to the liquid will only be able to lift the liquid to a limited height no matter how hard you suck on the straw.

Only Superman . . . or Kobe Bryant can do that.

[demo]