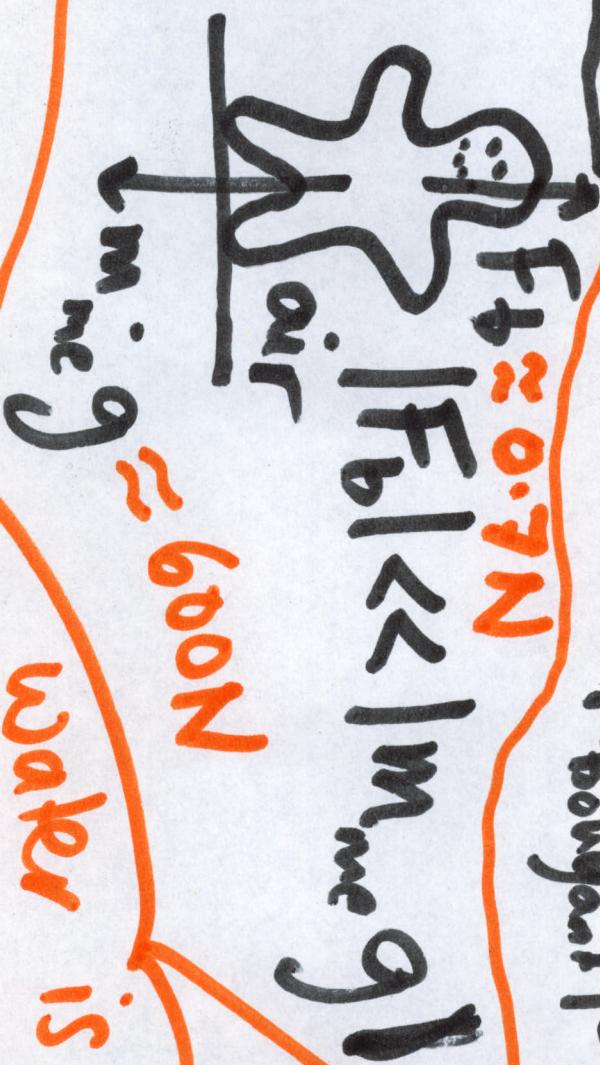


$$F_{\text{buoyant}} = F_w - F_{\text{air}}$$

$F_w = m_{\text{water}} g$

$F_{\text{air}} = m_{\text{air}} g$



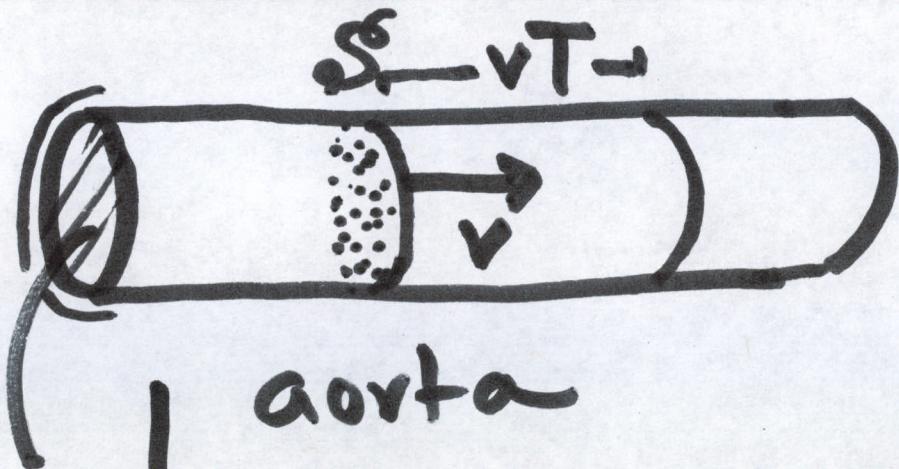
$$m_{\text{me}} g = 600 \text{ N}$$

Water is in

equilibrium
so $F_{\text{buoyant}} = m g$

F_b is equal +
opposite to the
displaced
water

water is same volume



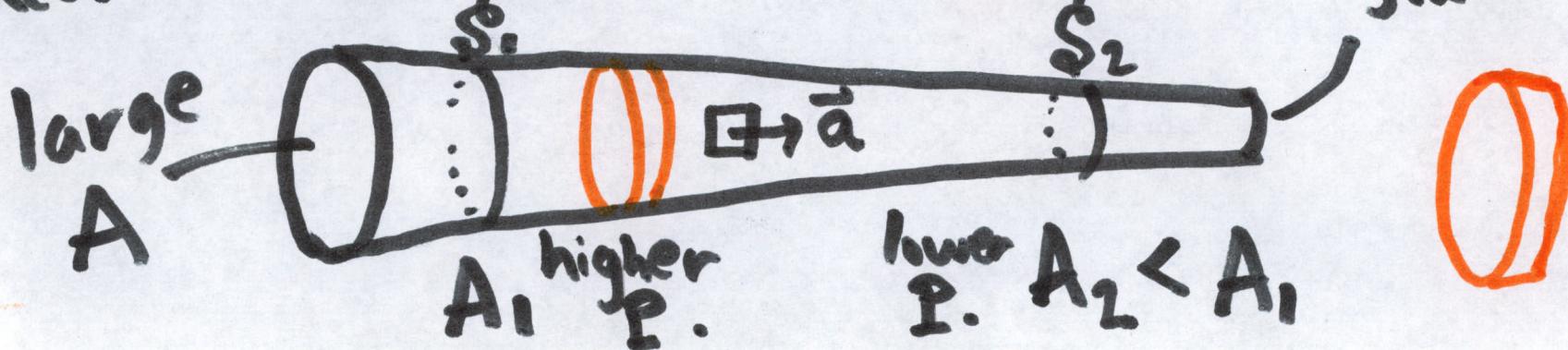
$$[A \cdot v] = m^2 \frac{m}{s} = \frac{m^3}{s}$$

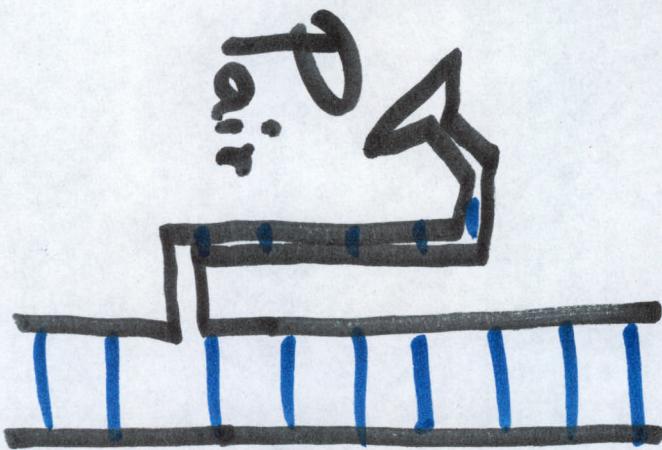
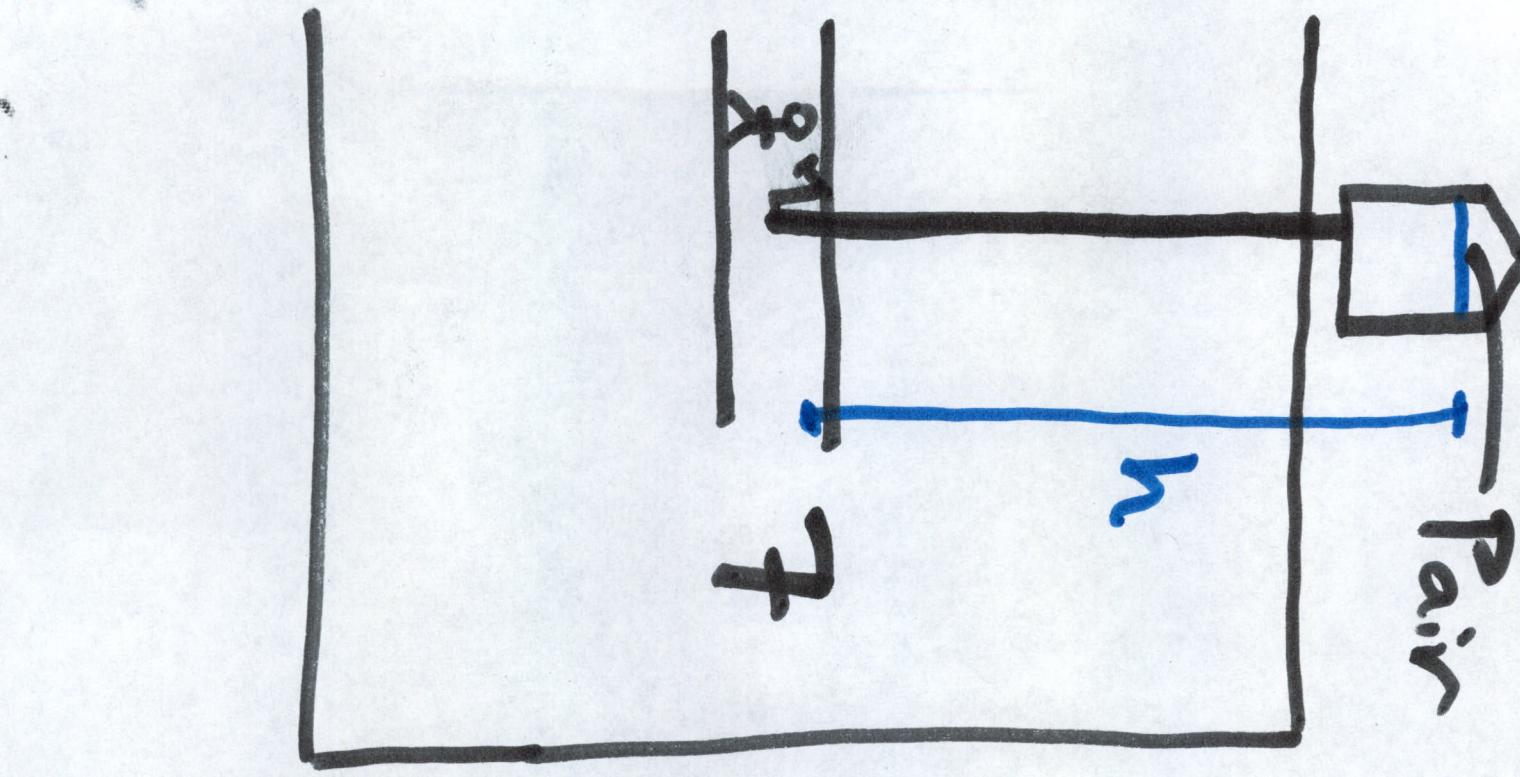
A) blood flowing through S in time T

(volume) Volume = area · length

$$= A \cdot v T$$

Capacity
of
heart. $= \frac{d\text{volume}}{dt\text{ime}} = A V$ Bernoulli's equation





t

