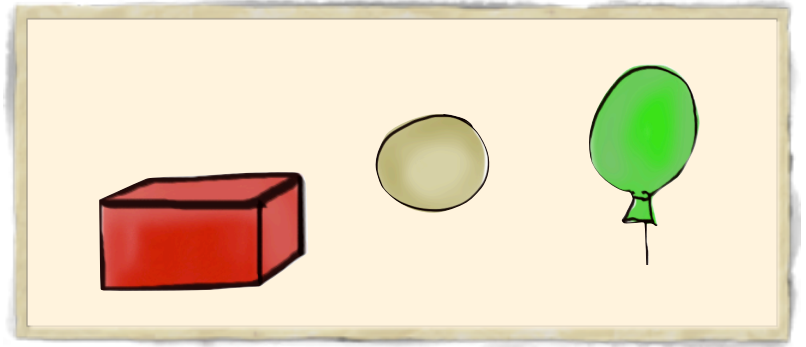


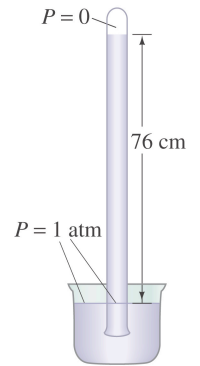
$$P = \frac{F}{A}$$



$$P = \rho gh$$

$$\rho = \frac{m}{V}$$

1 ATM = 14.7 PSI  
101.3 kPa  
760 Torr

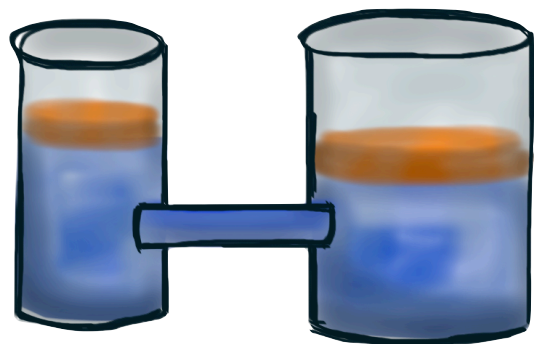


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$$\Delta L = L_o \alpha \Delta T$$

$$\rho_{unk} = \frac{m_{out} \rho_w}{m_{out} - m_{in}}$$

$$Q = mc\Delta T$$


Fluids

SPECIFIC HEAT OF SOLID.....		J/kg °C
SPECIFIC HEAT OF LIQUID.....		J/kg °C
SPECIFIC HEAT OF GAS.....		J/kg °C
DENSITY AT 300K		kg/m <sup>3</sup>
LATENT HEAT OF FUSION...		J/kg
LATENT HEAT OF VAPORIZATION		J/kg
COEFFICIENT OF LINEAR EXPANSION		x 10 <sup>-3</sup> /°C
COEFFICIENT OF VOLUMETRIC EXPANSION		x 10 <sup>-3</sup> /°C
COEFFICIENT OF CONDUCTION		J/ m s °C
EMISSIVITY		
COEFFICIENT OF CONVECTION ... TOP SURFACE SIDE SURFACE		J/ s m <sup>2</sup> °C
BOILING POINT / MELTING POINT		°C
$\sigma = 5.67 \times 10^{-8} \text{ J/s m}^2 \text{ K}^4$		

$$Q = mc\Delta T$$

$$Q = mL$$



$$H = \frac{kA\Delta T}{l}$$

$$H = hA\Delta T$$



$$R = e\sigma T^4$$

$$R = H/A$$

$$\Delta L = L_0\alpha\Delta T$$

$$\Delta V = V_0\beta\Delta T$$

