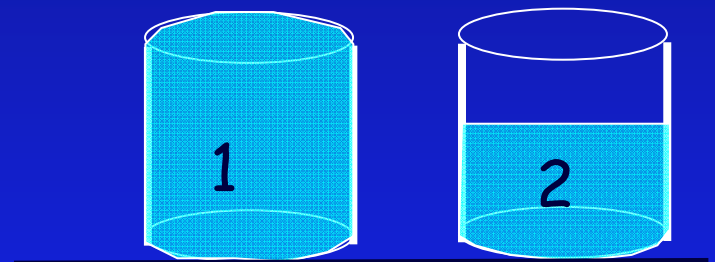


Gravity and Pressure

- Two identical “light” containers are filled with water. The first is completely full of water, the second container is filled only $\frac{1}{2}$ way. Compare the pressure each container exerts on the table.



A) $P_1 > P_2$

B) $P_1 = P_2$

C) $P_1 < P_2$

$$P = F/A$$

$$= mg / A$$

Cup 1 has greater mass, but same area

- Under water $P = P_{\text{atmosphere}} + \rho g h$