Work Done on a System ACT
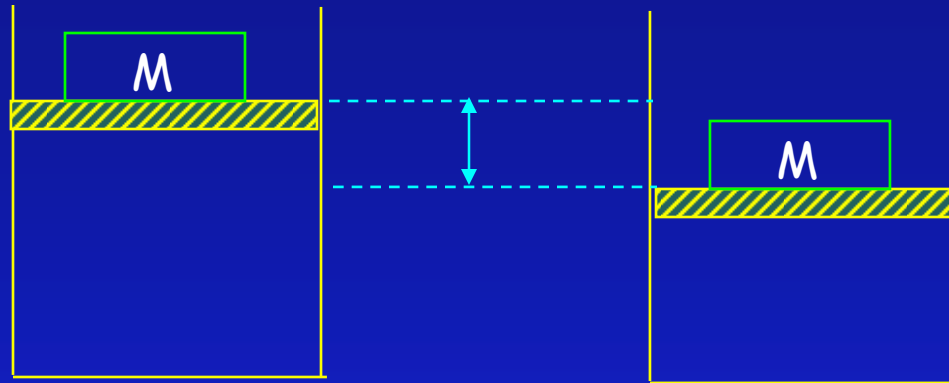

The work done on the gas as it contracts is

A) Positive   B) Zero   C) Negative

W = work done ON system= - (work done BY system) = -P ΔV

W = -p ΔV : *true for constant Pressure*

W < 0 if ΔV > 0   negative work required to expand system

W > 0 if ΔV < 0   positive work required to contract system

W = 0 if ΔV = 0   no work needed to keep system at const V