8.7 The vapor Pressure of a Pure substance Depends on the Applied Drossur . to calculate partial pressure of water in organ-water

mixture, following equilibrium and than holds Miguia (T, P) = Mgas (T, P)

(state of system in which premars carety
at 3016 x10° pa 95 long a temp remains
constent)

Pexternal = 0.0316 bar

e RT In (P) = Vm (P-P+) ASsecuration of 905 map 1/4 - Per liquides

> the cold formation of the formations come divining 8.8 surface Tension

. The work associated with the creation of a dailth and surface area at constant V and T is dA = ydo

of who A = helmholes energy wants on prid of 8

4= surface tension

or = unit element of ard woman - when a

by surface tension has units of energy area of Jm-2 equivalent to Nmil soul some souls

o capillary rise / capillary depression ~ consequeros 00 pressure differential across a cured surface

· contact angle & wetting 0=00 nonwetting = 180°