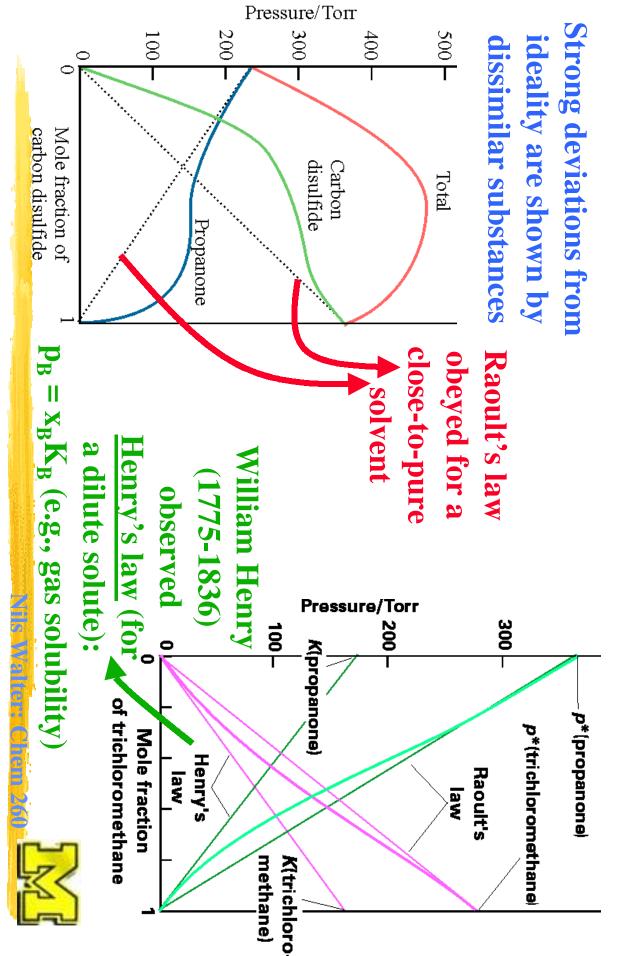
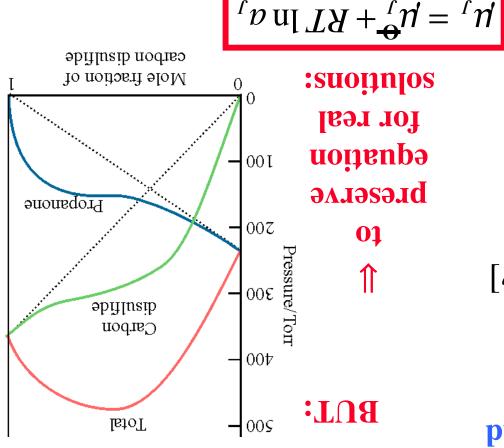
## Non-ideal solutions



## Ideal and real solutions: Activities



From both Raoult's (solvent) and Henry's laws (solute) follows:

$$\mu_{solv}(l) = \mu_{solv}^{\bullet}(l) + RT \ln C[solv]$$

$$[vlos] \supset \ln TA + (l) \frac{\bullet}{vlos} \mu = (l)$$

$$= \mu_J = \mu_J^{\bullet} + RT \ln[J]$$
standard chemical
potential @ 1 M

The chemical potential is a measure of the ability of J to bring about physical or change



