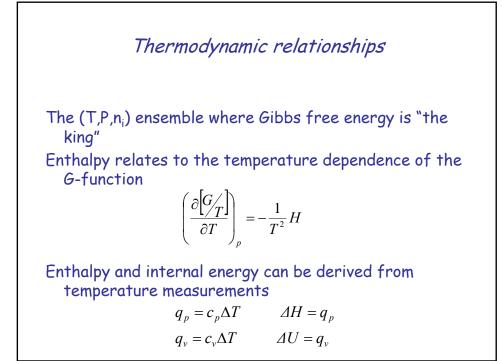
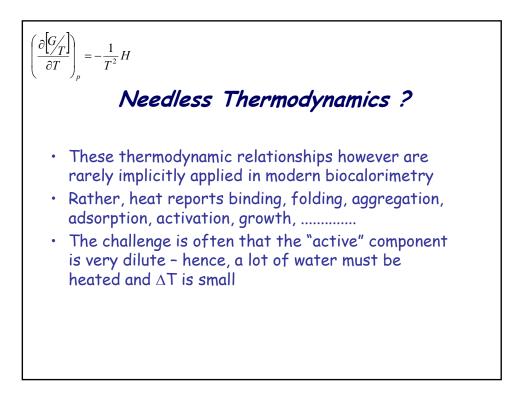


Thermodynamics				
Is a wa	onderful str	ucture with		aron Katchalsky
xperimentally o	convenient)(P,	T,n _i) variable s	ystem	
Equilibrium state	1 st derivatives	2 nd derivatives (response functions)	3rd derivatives	_
G	S {T (H {S})	$H_i \{T, n_i\}$	$\boldsymbol{H}_{i\text{-}j} \hspace{0.2cm} \{\boldsymbol{T} \hspace{5cm}, \hspace{5cm} \boldsymbol{n}_{i} \hspace{5cm}, \hspace{5cm} \boldsymbol{n}_{j} \}$	_
	V {P}	$V_i \{P,n_i\}$	$V_{i \text{-} j}\left\{P,\!n_{i},\!n_{j}\right\}$	
	$\boldsymbol{\mu}_i \; \{\boldsymbol{n}_i\}$	$C_{p} \{T,T\}$	$dC_p/dT \{T,T,T\}$	
		$\alpha \{P,T\}$	Etc etc	
		к {Р,Р}		
oga (2007) Solution Thermodynamics: a fferential approach. Elsevier.		$\mu_{i\text{-}j} \left\{ n_i, n_j \right\}$		
	Equilibrium state G	Is a wonderful str xperimentally convenient) (P, Equilibrium 1 st derivatives G S {T (H {S}) } V {P} $\mu_i {n_i}$ tion Thermodynamics: a	Is a wonderful structure with xperimentally convenient) (P,T,n;) variable s Equilibrium State G S {T H (H (S) G S {T H (T,n) V {P V {P V (P,n) μ_i {n,} C p {T,T} α {P,T} κ {P,P} tion Thermodynamics: a between the Elegator	Is a wonderful structure with no contents Ah Sequence of the system Equilibrium 1st derivatives 2^{nd} derivatives 3^{rd} derivatives $(response functions)$ G G V(H(S) H _i (T,n _i) V(P) V ₁ (P,n ₁) H _i (T,n _i) H _i (n _i) C _p (T,T) C _p (T,T)





Calorimetry The pro's and con's of application

PRO

- <u>Universally applicable</u>
- No probe/no special sample preparation
- Quantitative
- Non-specific

CON

- No structure information
- Moderate sensitivity
- Low through-put
- Non specific

