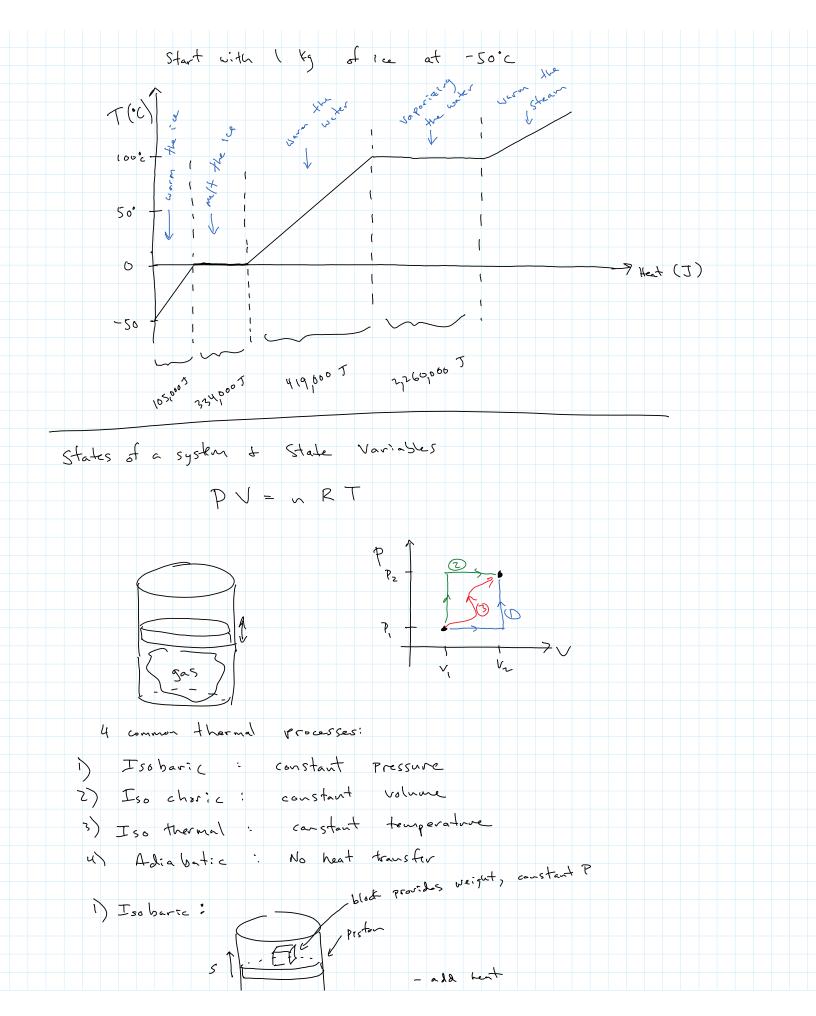
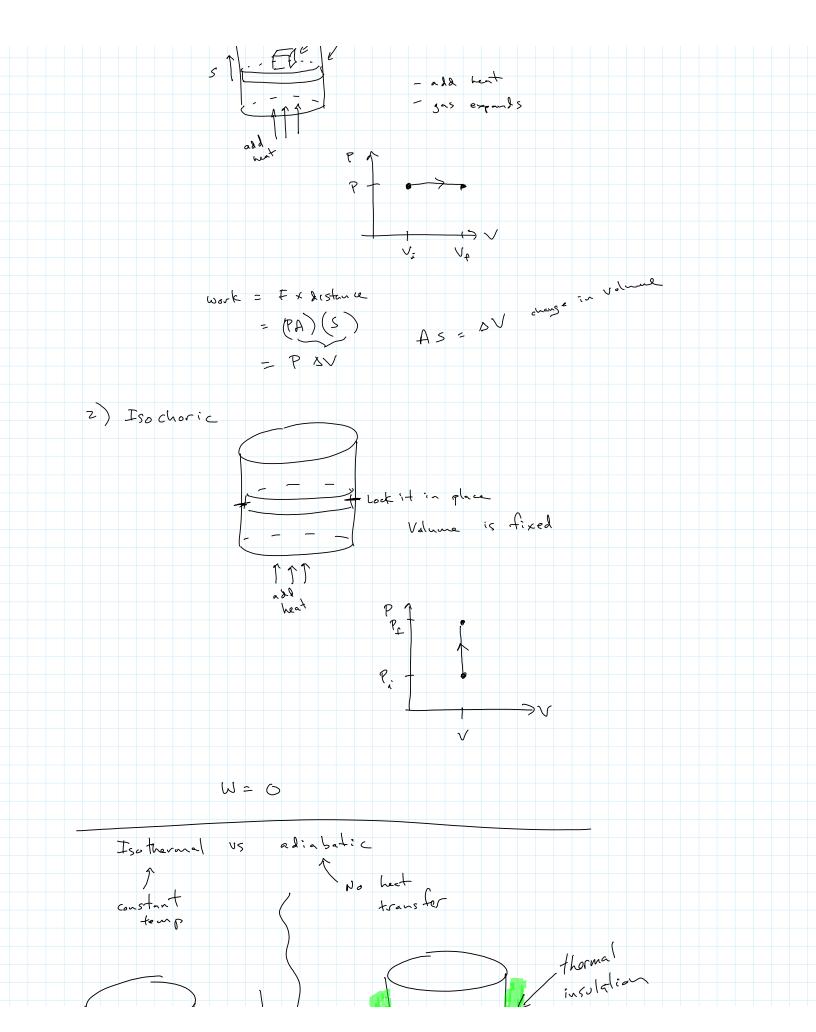
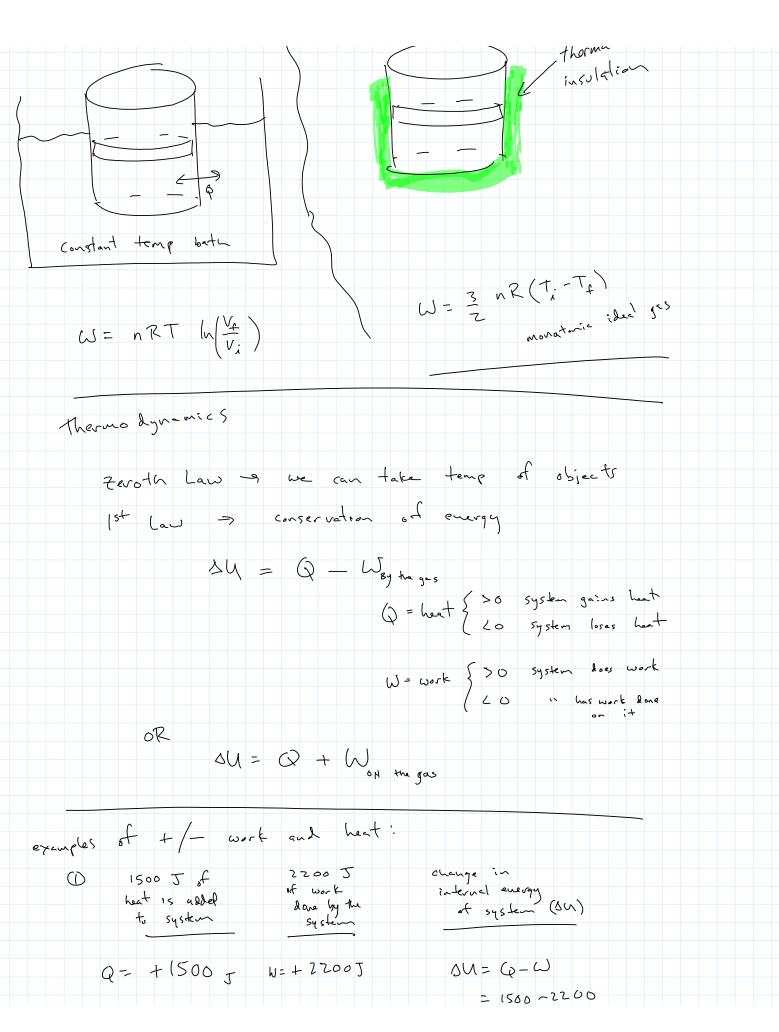
Goals for the Lecture:

- 1) Be able to do calorimetry problems, including phase changes that involve latent heat of fusion and vaporization
- 2) Understand the concept of "states of a system" and "state variables"
- 3) Understand Isobaric, Isovolumetric, Isothermal, and adiabatic processes

Calorinetry







		= - 700 J	
(000 J	800 J		
hout added	work done	5 U	
to system	on the		
		SU= 1000 - (-800)	
Q=+(000 T	W= -800 5	= 1800 J	
		- (888)	
(3) 1200 J heat removed krow system	1500 J	34	
heat removed	ا المحد ه		
tron 54,7	suster		
Q= -1200 J	W= - 1500 T	SV = - (200 - (-(500)	
		= +300 5	
(4) 900 J hent removed	600 J		
hart removed	work done	5 U	
	- by system		
Q=-900 J	W=+600 J	DU= -900 - 600	
		= -1500 J	
		/ (300	