Combustion Class 2 Radiation, Thermo

Outline					
				Comb.	Problem
	Date	Class #		Lecture	Due
Nov	11	19 🔨	Concepts, Candle, Fireplace, Premixed, Diffusion	1	
			Heats of Formation, Heats of Reaction, Heat Capacities,		
	13	$\overline{}$	Enthalpies	2	#1
	18	21	Stoichiometry, Equilibrium Constants	3	#2,#3
			Adiabatic Flame Temperature, Multi-Component		
	20	22	Equilibrium, NASA-Lewis Code	4	#4
	27		BYU Friday, NO Class		
	29		Thanksgiving		
Dec	2	25	Heterogeneous Combustion	5	#5
	4	26	NO _x Mechanisms, Soot	6	#6
	9	27	Flame Speeds, Turbulence, Explosions	7	#7
	11	28	Review	8	#8
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Progress Diffusion Flames Premixed Flames Homogeneous Combustion Heterogeneous Combustion Deflagration Detonation Stoichiometric Equivalence Ratio Extinction Flammability Limits Heat of Vaporization Heat of Combustion High Heating Value Progress Chemical Equilibrium Dissociation Heats of formation & reaction Underventilated flames Overventilated flames Adiabatic Flame Temperature Soot Blackbody Radiation Thermal NOx Turbulence Ignition Flame Speed Flashback





















