Week	Lecture	Date	ALEKS milestone	ACS Chemistry sections	Notes on General Chemistry/3e pages
	For CH10	D1 A3 (Tuesday and Thursday		each Wednesday will be split across the	Tuesday and Thursday lectures.
			1. V	Vater: A Natural Wonder	
					App 1: Significant figures (all); App 2: Working
1	1	Wednesday, September 02, 2009		1.1 Phases of matter	with logarithms (all)
	2	Friday, September 04, 2009		1.2 Atromic models	1: Builidng blocks of matter, pp 110
2	3	Wednesday, September 09, 2009	1	1.3 Molecular models & 1.4 Lewis structures	4: Molecular models, Lewis structures, polarity,
	4	Friday, September 11, 2009		1.5 3D models & 1.6 polarity	pp 101-110
3	5	Monday, September 14, 2009	2	1.7, 1.8, 1.9 Hydrogen bonding	
	6	Wednesday, September 16, 2009 Friday, September 18, 2009		1.10, 1.11 Phase changes, molar amounts 1.12 Specific heat; 1.14 Viscosity	
	1	Thuay, September 18, 2009			
			2. Agei	ous Solutions and Solubility	
4	8	Monday, September 21, 2009	3	2.1, 2.2 & 2.3 Solutions and solubility	
4	9	Wednesday, September 21, 2009	5	2.4 lonic compounds & 2.5 Energy balance	
	10	Friday, September 25, 2009		2.6 & 2.7 Precipitation and solubility rules	8: Solubility, pp 20713
5	10	Monday, September 28, 2009	4	2.8 & 2.9 Calculation precipitation	1: Moles, solutions, molarity, pp 618
-	12	Wednesday, September 30, 2009		2.10 Limiting reagent	
	13	Friday, October 02, 2009		2.12 pH & 2.13 acids and bases aqueous solution	n 7: Aqeuous acids and bases, pp 177181
6	14	Monday, October 05, 2009	5	2.14 Le Chatelier's principle	
	15	Wednesday, October 07, 2009		2.16 Extent of proton transfer and CO2	
				3. Origin of Atoms	
				3.1 Spectroscopy and stellar composition & 3.2	2: Absorption and emission spectra, pp 1921
	16	Friday, October 09, 2009		Nuclear atom	
7	17	Tuesday, October 13, 2009	6	3.3 Evolution of universe & 3.4 Nuclear reaction	
	18 19	Wednesday, October 14, 2009		3.5 Reaction energies & 3.6 Abundance	12: Half-life calculations, pp 306308 2: Energy-matter relation, pp 4851: Energetics of nuclear reactions, pp 322323
	19	Friday, October 16, 2009		3.5 Reaction energies & 3.0 Abundance	or nuclear reactions, pp 522-525
				4. Structure of Atoms	
8	20	Monday, October 19, 2009	7	4.1 Periodicity	
0	20		,		
	21	Wednesday, October 21, 2009		4.2 Emission and absorption	2: Absorption and emission spectra, pp 1921
		,			2 Waves, light wave interaction with matter, pp
	22	Friday, October 23, 2009		4.3 Light as wave	2127
				-	2: Energy exchange between light and matter, pp
9	23	Monday, October 26, 2009	8	4.4 Light as particle	2729
	24	Wednesday, October 28, 2009		4.5 Quantum atoms	2: Quantum picture of atoms, pp 2941
	25	Friday, October 30, 2009		4.3 & 4.4	2: Photoelectric effect, pp 3944
10	26	Monday, November 02, 2009	9	4.6 De Broglie & 4.7 Wave model	2: Electron in a box, pp 4347
	27	Wednesday, November 04, 2009		4.8 Atom collapse	3.3: Why atoms don't collapse, pp 8185
L	28	Friday, November 06, 2009		4.11 Orbitals	3.1: Atomic wavefunction albums, pp 6571
11	29	Monday, November 09, 2009	10	4.9 Spin & 4.10 Electron configurations	3.2: Energies of electrons in atoms, pp 7578
	23				
			5	Structure of Molecules	
	30	Friday, November 13, 2009	J.	5.1 & 5.2 Isomers	
12	30	Monday, November 16, 2009	11	5.3 Sigma molecular orbitals	4: Bonding and anitbonding molecular orbitals,
	32	Wednesday, November 18, 2009			pp 117123
	33	Friday, November 20, 2009		5.13 Antibonding in O2	
13	34	Monday, November 23, 2009	12	5.4 Sigma framework & 5.8 Molecular shape	4: Hybrid atomic orbitals, pp 111116
14	35	Monday, November 30, 2009		5.5, 5.6 & 5.7 Multiple and delocalized bonds	4: Recipe for π bonds in polyatomic molecules,
	36	Wednesday, December 02, 2009			pp 124129
	37	Friday, December 04, 2009]	
15	38	Monday, December 07, 2009	13]	
	39	Wednesday, December 09, 2009		5.9 Stereoisomerism	
			final	5.10 Functional groups & 5.11 Molecular	
	40	Friday, December 11, 2009	assessment	recognition	