

Week 1: Energy, EMR, Spectra			TR	MW
8/25	Tue	L1: Energy - Kinetic, Potential, Transfer 1.41, 1.55, 1.57, 1.59)	L1	
8/26	Wed			L1
8/27	Thu	L2 Electromagnetic Radiation (EMR) 3.19, 3.35,	L2	L2 (On-Line)
8/28	On-Line	OL1 Atomic Spectra, Black Body Radiation (3.17, 3.39, 3.43, 3.51, 3.57, 3.59)	OL1	OL1
Week 2: Nuclear Chemistry and Energy				
8/31	Mon	L3 Nuclear Decay		L3
9/1	Tue		L3	
9/2	Wed	L4 Nuclear Radiation		L4
9/3	Thu		L4	
9/4	Fri	OL2 Nuclear Energy	OL2	OL2
Week 3 Atomic Structure				
9/7	Mon	L5 Energy Levels and the Hygrown Atom		L5
9/8	Tue		L5	
9/9	Wed	L6 Many-Electron Atoms		L6
9/10	Thu		L6	
9/11	Fri	OL3 Periodicity of Atomic Properties	OL3	OL3
Week 4 Molecular Structure				
9/14	Mon	L7 Ionic and Covalent Bonds		L7
9/15	Tue		L7	
9/16	Wed	L8 Lewis Structures and Bond Lengths		L8
9/17	Thu		L8	
9/18	Fri	OL4 Molecular Structures and Shapes	OL4	OL4
Week 5 Intermolecular Forces, Liquids & Solids				
9/21	Mon	Test 1: L1-L8, OL1-OL4		Test 1
9/22	Tue		Test 1	
9/23	Wed	L9 Intermolecular Forces		L9
9/24	Thu		L9	
9/25	Fri	OL5 Liquids and Solids	OL5	OL5
Week 6 Thermodynamics: First Law				
9/28	Mon	L10 Systems, States, and Energies		L10
9/29	Tue		L10	
9/30	Wed	L11 Enthalpy		L11
10/1	Thu		L11	
10/2	Fri	OL6 The Enthalpy of Chemical Change	OL6	OL6
Week 7 Thermodynamics: Second Law				
10/5	Mon	L12 Entropy		L12
10/6	Tue		L12	
10/7	Wed	L13 Global Changes in Entropy		L13
10/8	Thu		L13	
10/9	Fri	OL7 Gibbs Free Energy	OL7	OL7

Week 8 Phase Transitions, Solubility, Colligative Properties

10/12	Mon	L14 Phase Transitions		L14
10/13	Tue		L14	
10/14	Wed	L15 Solubility		L15
10/15	Thu		L15	
10/16	Fri	OL8 Colligative Properties	OL8	OL8

Week 9 Equilibrium

10/19	Mon	Test 2: L9-L15, OL5-OL8		Test 2
10/20	Tue		Test 2	
10/21	Wed	L16 Reactions at Equilibrium		L16
10/22	Thu		L16	
10/23	Fri	OL9 Equilibrium Calculations and Responses to Change	OL9	OL9

Week 10 Acid-Base Chemistry

10/26	Mon	L17 The Nature of Acids and Bases		L17
10/27	Tue		L17	
10/28	Wed	L18 Weak Acids and Bases		L18
10/29	Thu		L18	
10/30	Fri	OL10 Acid-Base Buffers and Titrations	OL10	OL10

Week 11 Redox Chemistry

11/2	Mon	L19 Redox Reactions	L19 (On-Line)	L19
11/3	Tue			
11/4	Wed	L20 Galvanic Cells		L20
11/5	Thu		L20	
11/6	Fri	OL11 Nernst Equation & Electrolysis	OL11	OL11

Week 12 Chemical Kinetics

11/9	Mon	L21 Reaction Rates		L21
11/10	Tue		L21	
11/11	Wed	L22 Reaction Concentration and Time		L22
11/12	Thu		L22	
11/13	Fri	OL12 Catalysis and Enzymes	OL12	OL12

Week 13 Assessment

11/16	Mon	Test 3: L16-L22, OL9-OL12		Test 3
11/17	Tue	OL13: Test 4 Review Problems	Test 3	OL13
11/18	Wed	Test 4: L1-L15, OL1-OL8	OL13	Test 4
11/19	Thu		Test 4	
11/20	Fri			
11/23	Mon	Drop		Drop
11/24	Tue			
11/25	Wed			
11/26	Thu			
11/27	Fri			

Week 14 Environmental Chemistry

11/30	Mon	L23 Fossil Fuel Chemical Energy Production		L23
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12/1	Tue		L23	
12/2	Wed	L24 Enhanced Greenhouse Effect		L24
12/3	Thu		L24	
Final Exam		Environmental Book Report Due		