

Chemistry Assignments

2004-2005

Unit 1

	Textbook Assignment	Written Assignment	Lab Assignment	Date / Hours
1	1.1 Stories of Two Chemicals			
2	1.2 Chemistry and Matter	6, 7, 10		
3	1.3 Scientific Methods	12, 16		
4	1.4 Scientific Research	17, 20; p. 23: 1-7 (STP)		
5			Read LM pp. xiii-xiv & Lab 1.2; Do Pre-Lab questions	
6			Lab 1: Perform and write up	Sep. 13
7	2.1 Unit of Measurement	1-3; 6, 10		
8	2.2 Scientific Notation & Dimensional Analysis	12aceg, 14-17; 19-21; 24-25, 27-28		
9	2.3 Reliable Measurements?	29-38; 39-44		
10	2.4 Representing Data	47-50; 73, 77bg, 78be, 82, 85abc, 87; STP	Read Lab 2.2; Do Pre-Lab questions	
11			Lab 2: Perform and write up	Sep. 20
12	3.1 Properties of Matter	2-5		
13	3.2 Changes in Matter	6, 8, 10-14		
14	3.3 Mixtures of Matter	16-17, 19		
15	3.4 Elements & Compounds	20-24; 25, 29-30; 34, 37, 39, 63-64, 66; STP	Read Lab 3.1; Do Pre-Lab questions	
16			Lab 3: Perform and write up	Sep. 27
17			Quiz 1	Sep. 28

Unit 2

	Textbook Assignment	Written Assignment	Lab Assignment	Date / Hours
18	4.1 Early Theories of Matter	3, 5		
19	4.2 Subatomic Particles	7, 9		
20	4.3 How Atoms Differ	11-12, 14, 17-19, 21; 30, 43, 46, 48, 62, 64, 68, STP	Read Small-Scale Lab 3; Do Pre-Lab questions	
21			Lab 4: Perform and write up	Oct. 4
22	5.1 Light & Quantized Energy	1-6, 8, 10, 12		
23	5.2 Quantum Theory	handout		
24	5.3 Electron Configurations	18, 23, 25-26		
25		33, 40, 45, 52-53, 65, 71, 75, 79a-e, 80a-c, 81a-c, STP	Lab prep	
26			Lab 5	Oct. 11
27	6.1 Modern Periodic Table	1*, 3, 5-6		
28	6.2 Classification of Elements	7-9, 10-13		
29	6.3 Periodic Trends	16-17, 19, 22-23	Mini-Lab	
30		33, 38, 42-43, 47, 50, 57, 64-65, STP	Read Lab 6.1; Do Pre-Lab questions	
31			Lab 6: Perform and write up	Oct. 18
32	7.1 Properties of s-Block	2, 7, 8		
33	7.2 Properties of p-Block	10, 12-14, 16		
34	7.3 Properties of d- & f-Block	18-20, 22		
35		31, 33, 35, 39, 42, 47, 55, 57, STP	Read ChemLab 7; Write up Pre-Lab (see handout)	
36			Lab 7: Perform and write up	Oct. 25
37			Quiz 2	Oct. 26

*"Lavoisier" should read "Meyer"