

Week	Date	Experiment	Reading	Selected Topics	Assignments	Deadlines	ALEKS
Unit 1							
1	Jun 10 – Jun 16	Safety Measurements and the Metric System	Introduction Chapter 2 Chapter 3	Scientific Method Scientific Notation Significant Figures Prefixes Conversions Density Classifying Matter Physical/Chemical Properties Physical/Chemical Changes Conservation of Mass Energy	DB 1.1, 1.2 Blog 1 Laboratory Introductory Survey Introduction Quiz Safety Quiz Laboratory Polyatomic Ion Quiz Elements Quiz DB Oral Report – Exp 1 Oral Report – Exp 1 DB Oral Report – Exp 1 Replies Oral Report – Exp 2	DB initial posting due Thursday, replies Sunday DB Oral Report – Exp 1 DB Oral Report – Exp 1 Replies due Wednesday DB Oral Report – Exp 2	Initial Assessment - Monday Obj. 1 – Wednesday
2	Jun 17 – Jun 23	Physical and Chemical Properties of Substances Chromatography	Chapter 3 Unit 1 Exam Chapter 4	Temperature Conversions Heat Capacity Atomic Theory Nuclear Atom Protons, Neutrons, and Electrons Periodic Table Ions Isotopes Atomic Mass	DB 2.1, 2.2 Part 1, 2.2 Part 2 Blog 2 Laboratory Exam Polyatomic Ion Quiz Elements Quiz	DB 3.2 Part 1 due Tuesday DB Initial posting due Thursday, replies Sunday	Obj. 2 – Wednesday Obj. 3 – Sunday

Unit 2

			Chapter 9	Electromagnetic Radiation Electromagnetic Spectrum Bohr Model Orbitals	DB Oral Report – Exp 2 Replies Laboratory Polyatomic Ion Quiz Elements Quiz Oral Report – Exp 3	DB Oral Report – replies due Wednesday DB Initial posting due Thursday, replies Sunday DB Oral Report – Exp 3	
3	Jun 24 – Jun 30	Building Molecules (no write-up) Half-life & Block Decay	Chapter 9 Chapter 10 Chapter 17	Electron Configurations Periodic Trends Valence Electrons Lewis Structures Predicting Shapes Electronegativity Polarity Radioactivity Alpha, Beta, and Gamma Natural Decay & half-life Fission Fusion	DB Oral Report – Exp 3 Replies DB 3.1 Blog 3 Laboratory Polyatomic Ion Quiz Elements Quiz Laboratory Polyatomic Ion Quiz Elements Quiz Oral Report – Exp 5	DB Oral Report – Replies due Wednesday DB Initial posting due Thursday, replies Sunday DB Oral Report – Replies due Wednesday DB Initial posting due Thursday, replies Sunday DB Oral Report – Exp 5	Obj. 4 – Wednesday Obj. 9 – Wednesday Obj. 10 – Sunday

Unit 3

4	July 1 – July 7 July 4– holiday	Nomenclature and formula Writing (no write- up) Writing Equations (no write-up)	Unit 2 Exam Chapter 5 Chapter 18 Chapter 7 Chapter 6	Chemical Formula Writing formulas Naming Acids Review Nomenclature Organic Nomenclature Evidence of a Rxn Chemical Equation Balancing Equations Solubility Ppt Rxn Types of Rxns Atoms to grams	DB Oral Report – Exp 5 Replies DB 4.1, 4.2 Blog 4 Laboratory Exam Laboratory Exam	DB Oral Report – replies due Wednesday DB Initial posting due Thursday, replies Sunday DB Initial posting due Thursday, replies Sunday	Obj. 11 – Tuesday Obj. 12 – Wednesday Obj. 13 – Sunday
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Unit 4

5	July 8 - July 14	Applied Stoichiometry – Airbag Gases	Unit 3 Exam Chapter 6 Chapter 8 Chapter 11	Mass percent Empirical formulas Molecular formulas Mole-mole Mass-mass Limiting reactant Theoretical yield Percent yield Enthalpy KMT Pressure Boyle's Law Charles's Law	DB Oral Report – Exp 8 DB 5.1 Blog 5 Laboratory Oral Report – Exp 8 DB Oral Report – Exp 8 Replies Laboratory Oral Report – Exp 9	DB Oral Report – Exp 8 due Sunday DB Initial posting due Thursday, replies due Sunday DB Oral Report – replies due Wednesday DB Initial posting due Thursday, replies Sunday DB Oral Report – Exp 9	Obj. 14 – Wednesday Obj. 15 – Wednesday
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Unit 5

6	July 15 – July 21	States – Ooblek, foamy fountain & gak-slime Percent by Mass Of NaHCO_3	Chapter 11 Unit 4 Exam Chapter 12 Chapter 13	Ideal gas law Gas in Chemical Rxn Properties of Liquids and Solids Intermolecular Forces Types of Intermolecular forces Solutions Solubility and Saturation Mass Percent Molarity Dilution Solution stoichiometry	DB Oral Report – Exp 9 Replies DB 6.1 Blog 6 Laboratory Exam Oral Report – Exp 10 DB Oral Report – Exp 10 Replies Laboratory Oral Report – Exp 11	DB Oral Report – replies due Wednesday DB Initial posting due Thursday, replies Sunday DB Oral Report – Exp 10 DB Oral Report – replies due Wednesday DB Initial posting due Thursday, replies Sunday DB Oral Report – Exp 11	Obj. 16 – Wednesday Obj. 17 – Wednesday Obj. 18 – Sunday
7	July 22 – July 28	pH, Acids & Bases	Unit 5 Exam Chapter 14	Acids Bases Arrhenius Bronsted-Lowry Neutralization Rxns Strong & Weak A/B pH and pOH Buffers	DB Oral Report – Exp 11 Replies DB 7.1 Blog 7 Laboratory Exam Oral Report – Exp 12	DB Oral Report – replies due Wednesday DB Initial posting due Thursday, replies Sunday DB Oral Report – Exp 12	Obj. 19 – Sunday
Unit 6							
		Kinetics	Chapter 15	Rate of Rxn Activation Energy Le Chatelier's principle Chemical equilibrium	DB Oral Report – Exp 12 Replies Laboratory Oral Report – Exp 13	DB Oral Report – replies due Wednesday DB Initial posting due Thursday, replies Sunday DB Oral Report – Exp 13	Obj. 20 – Sunday

8	July 29 – Aug 2	Redox	Chapter 16 Unit 6 Exam Review	Oxidation states Balancing redox equations Activity series Batteries Electrolysis	DB Oral Report – Exp 13 Replies DB 8.1 Blog 8 Laboratory Exam Oral Report – Exp 14	DB Oral Report – Replies due Wednesday DB Initial posting due Thursday, replies Sunday DB Oral Report – Exp 14	Obj. 21 – Sunday
Review & Final Exam							
			Review		DB Oral Report – Exp 14 Replies DB 8.2	DB Oral Report – replies due Wednesday	
	Aug 1 – Aug 2		Final Exam		Blog 9 Final	Due Friday	