

Veritas Christian Homeschool Group - General Chemistry Course – Trimester 3 – Week at a Glance

Chapter in Text	Week		In-Class Discussion Topic/ Activities	Homework Due	Laboratory
Chapter 13 <i>Electrons in Atoms</i>	21	Feb 19 th	<ul style="list-style-type: none"> ▪ <i>Finish Chapter 11 - Thermochemistry</i> ▪ <i>Section 13.1 – Models of the Atom</i> ▪ <i>Section 13.2 – Electron Arrangement in Atoms</i> ▪ Quiz #20 – Chapter 11 ▪ Quiz #21 – Chapter 11 – take home 		
	22	Feb. 26 th	<ul style="list-style-type: none"> ▪ <i>Section 13.3 – Physics and the Quantum Mechanical Model</i> ▪ Quiz #22 – Chapter 13 	<ul style="list-style-type: none"> <input type="checkbox"/> Test #4 – Covering Chapters 10, 11 <input type="checkbox"/> Chapter 11 Worksheets <input type="checkbox"/> Methods and Results Section Paper 	
Chapter 14 <i>Chemical Periodicity</i>	23	Mar. 12 th	<ul style="list-style-type: none"> ▪ <i>Section 14.1 - Classification of the Elements</i> ▪ <i>Section 14.2 – Periodic Trends</i> ▪ Flame Tests Laboratory ▪ Quiz #23 – Chapter 13 	<input type="checkbox"/> Discussion Section of Paper	Flame Tests Laboratory
Chapter 15 <i>Ionic Bonding and Ionic Compounds</i>	24	Mar. 19 th	Cover concepts from video worksheet: ionic bonding; electron dot (Lewis) structures; Pauling scale for electronegativity; metallic bonding <ul style="list-style-type: none"> ▪ Quiz #24 – Chapter 14 	<ul style="list-style-type: none"> <input type="checkbox"/> Flame Tests Laboratory Worksheet <input type="checkbox"/> Chapter 13 Worksheets <input type="checkbox"/> Chapter 14 Worksheets <input type="checkbox"/> Introduction Section of Paper 	
Chapter 16 <i>Covalent Bonding</i>	25	Mar. 26 th	<ul style="list-style-type: none"> ▪ <i>Section 16.1 – Nature of Covalent Bonding</i> ▪ <i>Section 16.2 – Bonding Theories</i> ▪ Quiz #25 – Chapter 15 	<ul style="list-style-type: none"> <input type="checkbox"/> Chapter 15 – video worksheet <input type="checkbox"/> Complete, revised APA Paper 	
	<i>Properties of water and aqueous solutions</i>	26	Apr. 2 nd	<ul style="list-style-type: none"> ▪ <i>Section 16.3 – Polar Bonds and Molecules</i> ▪ <i>VSEPR/ Molecular Geometry Laboratory</i> ▪ Properties of water and aqueous solutions ▪ Quiz #26 – Chapter 16 	
Chapter 18 <i>Solutions</i>	27	Apr. 9 th	<ul style="list-style-type: none"> ▪ <i>Section 18.1 – Properties Solutions</i> ▪ <i>Section 18.2 – Concentrations of Solutions</i> ▪ Quiz #27 – Chapter 16 	<ul style="list-style-type: none"> <input type="checkbox"/> Test #6 – Chapters 13 to 16 <input type="checkbox"/> Chapter 16 Homework <input type="checkbox"/> VSEPR/ Molecular Geometry Lab 	
		28	Apr. 16 th	<ul style="list-style-type: none"> ▪ <i>Section 18.3 – Colligative Properties</i> ▪ <i>Section 18.4 – Calculations Involving Colligative Properties</i> ▪ <i>Colligative Properties Lab</i> ▪ Quiz #28 – Chapter 18 	
Chapter 19 <i>Reaction Rates and Equilibrium</i>	29	Apr. 23 rd	<ul style="list-style-type: none"> ▪ <i>Section 19.1 – Rates of Reaction</i> ▪ <i>Section 19.2 – Reversible Reactions and Equilibrium</i> ▪ <i>Section 19.3 – Determining Whether a Reaction will occur</i> ▪ Quiz #29 – Chapter 18 	<ul style="list-style-type: none"> <input type="checkbox"/> Chapter 18 Homework <input type="checkbox"/> Colligative Properties Lab 	
		30	Apr. 30 th	<ul style="list-style-type: none"> ▪ <i>Section 19.4 – Calculating Entropy and Free Energy</i> ▪ <i>Equilibrium and LeChatelier’s Principle Lab</i> ▪ Quiz #30 – Chapter 19 	
				<ul style="list-style-type: none"> <input type="checkbox"/> Test #7 – Chapters 18, 19 <input type="checkbox"/> Chapter 19 Homework 	