

Day	Academic Objective	Activities	Homework/Assessments	Biblical Integration
M	Describe and identify isotopes	Discuss chapter 3 pg. 79 - 84 "Isotopes & Average Atomic Mass"	<ul style="list-style-type: none"> <li>Pg. 92 - 94: 8- 11, 19 - 20, 34 (Change directions on #11, "Write BOTH the hyphen notation &amp; nuclear symbol...")</li> <li><b>Web post due by Friday 11:59 PM</b> Topic – S, STEM</li> </ul>	Students will understand that God continuously sustains all things throughout the present by studying fundamental particles
TU	Discuss the history of the discovery of radioactivity	Discuss <b>ch 21</b> , pg. 649 - 652 "Intro to Radioactivity"	<ul style="list-style-type: none"> <li>Complete <b>Isotopes Research</b> (on class website)</li> <li><b>Pg. 672 - 674</b>; 1, 2, 9-10, 48, 50, 51</li> </ul>	
W	Discuss the properties of radioactive isotopes	Discuss ch 21, pg. 653 – 655 "Properties of Radioactive Isotopes"		
TH	Discuss the properties of radioactive isotopes and describe radioactive decay	Discuss ch 21, pg. 653 – 664 "Properties of Radioactive Isotopes" "Radioactive Decay"	<ul style="list-style-type: none"> <li>Pg. 672 - 674; 11 – 21, 30 – 33, 40, 42, 52</li> <li>Read chapter 21, pg. 656 - 657</li> </ul>	
F	Calculate half-life	Discuss ch 21, pg. 656 - 657 "Half-Life"	<ul style="list-style-type: none"> <li>Pg. 672 - 674; 26 – 29 <b>and</b> Pg. 675, 1 – 8 (Show work on problems!!)</li> <li><b>thLAB: Half-Life</b> - See note below</li> <li><b>Web post due by Friday 11:59 PM</b> Topic – S, STEM</li> </ul>	

**thLAB: Half-Life** data due by Monday, February 20, **11:59 P.M.**

- Do lab at home AND post your data on the web site – ON YOUR CLASS'S POST by Tuesday, February 22, **8:00 A.M.**
- LAB REPORT is due by Monday, February 26, **11:59 P.M.** save as PDF 2X

**TEST** on Chapters 3a & 21 Monday, February 26

Let God have you, and let God love you - and don't be surprised if your heart begins to hear music you've never heard and your feet learn to dance as never before. *Max Lucado*

Trust God's love. His perfect love. Don't fear He will discover your past. He already has. Don't fear disappointing Him in the future. He can show you the chapter in which you will. With perfect knowledge of the past and perfect vision of the future, He loves you perfectly in spite of both. *Max Lucado*