

Day	Academic Objective	Activities	Homework/Assessments	Biblical Integration
M	Model the discovery of subatomic particles	<b>ACTIVITY:</b> Model of the Atom	<ul style="list-style-type: none"> <li>Pg. 672 - 674; 1, 2, 9 –10, 48, 50, 51</li> <li>Read ch 21, pg. 653 – 655, 658 – 664</li> <li><b>Web post due by Saturday, 8:00 A.M. Topic – T, Triumph</b></li> </ul>	Students will understand that God gives us the ability to understand the world around us for our good by modelling the discovery of subatomic particles.
TU	Discuss the properties of radioactive isotopes and describe radioactive decay	Discuss ch 21, pg. 653 – 655, 658 - 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> <li>(Change directions on #11, "Write BOTH the hyphen notion &amp; nuclear symbol...")</li> </ul>	
W	Calculate hal-life	Discuss ch 21, pg. 653 – 660 "Half-Life"	<ul style="list-style-type: none"> <li><b>thLAB: Half-Life</b> - See note below</li> </ul>	
TH	Discuss applications of radioactive isotopes	Discuss ch 21, pg. 661 - 664 "Nuclear Radiation"	<ul style="list-style-type: none"> <li>Pg. 672 - 674; 26 – 29 <b>and</b> Pg. 675, 1 – 8 (Show work on all problems!!)</li> </ul>	
F	Discuss the properties and uses of fission and fusion	Discuss ch 21, pg. 665 - 667 "Nuclear Fission and Nuclear Fusion"  ACTIVITY: Chain Reaction, Pt. 1	<ul style="list-style-type: none"> <li><b>thLAB: Half-Life</b> - data due by MONDAY, 8:00 A.M.</li> <li><b>Optional Assignment</b> for extra test practice – see Sciencegeek Practice assignment below</li> <li><b>Web post due by Saturday, 8:00 A.M. Topic – T, Triumph</b></li> </ul>	

**thLAB: Half-Life** data due by Monday, March 1, **8:00 A.M.**

- Do lab at home AND post your data on the web site – ON YOUR CLASS'S POST by Monday, March 1, **8:00 A.M.**
- LAB REPORT is due by Friday, March 5, **8:00 A.M.**, save as PDF 2X

**TEST** on Chapters 3a & 21 Tuesday, March 2

**ScienceGeek OPTIONAL Practice:** <http://www.sciencegeek.net>

- Go to Chemistry, click on **NEW** Review & go to:  
Unit 1 - Atomic Structure & Origins of Elements
  - Balancing Nuclear Equations
  - Nuclear Chemistry Review
  - Atomic Structure Review
- **IMPORTANT – Some questions have more than one answer!!**

God assumed from the beginning that the wise of the world would view Christians as fools...and He has not been disappointed.... Have the courage to have your wisdom regarded as stupidity. Be fools for Christ. And have the courage to suffer the contempt of the sophisticated world. Antonin Scalia