

Chemistry 1 2017-2018  
 Dr. Casagrande (Office 186P)  
 Room 186, Period 1 & 3  
 Period 1 Lab Thursday Periods 1-2  
 Period 3 Lab Friday Periods 2-3

Syllabus #11-12 November 13 – November 24, 2017  
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**Monday, November 13, 2017**

- Ch. 25.2: Radioactive Decay Mechanisms
- **Homework #25-2:** Read Ch. 25.2 pp. 811-814; Finish Nuclear Decay Equations WS

**Tuesday, November 14, 2017 (Per. 3 in 190)**

- Ch. 25.2: Nuclear Stability & The Strong Nuclear Force; Radioactive Decay
- **Homework #25-3:** Read Ch. 25.2 pp. 810-811

**Wednesday, November 15, 2017**

- **End of 1<sup>st</sup> Marking Period**
- Ch. 25.3: Radioactive Decay Rates, Half Life and Radiochemical Dating
- **Homework #25-4:** Read Ch. 25.3 pp. 817-820; Finish Half-Life WS; Per. 1 also read/highlight lab & complete pre-lab problems

**Thursday, November 16, 2017**

	<ul style="list-style-type: none"> <li>• <b>Quiz Ch. 25.1-25.2: Nuclear Radiation, Stability, Decay Equations</b></li> </ul>
All	<ul style="list-style-type: none"> <li>• Ch. 25.2-25.3: Radioactive Decay Series; Transmutation</li> <li>• <b>Homework #25-5:</b> Read Ch. 25.3 pp. 814-816; Finish Decay Series-Induced Transmutation WS; Per. 3 also read/highlight lab &amp; complete pre-lab problems</li> </ul>
Per. 1	<ul style="list-style-type: none"> <li>• <b>Mini-Lab:</b> Pennium Half-Life / Carbon-14 Dating (<b>Due 11/21</b>)</li> </ul>

**Friday, November 17, 2017**

All	<ul style="list-style-type: none"> <li>• Ch. 25.4: Nuclear Fission</li> <li>• Nuclear Fission WS</li> <li>• <b>Homework #25-6:</b> Read Ch. 25.4 pp. 821-823; Finish Nuclear Fission WS.</li> </ul>
Per. 3	<ul style="list-style-type: none"> <li>• <b>Mini-Lab:</b> Pennium Half-Life / Carbon-14 Dating (<b>Due 11/21</b>)</li> </ul>

**Monday, November 20, 2017**

- Ch. 25.4: Nuclear Fusion
- **Homework #25-7:** Read Ch. 25.4 pp. 824-826; Finish Nuclear Fusion WS.

**Tuesday, November 21, 2017 (Per. 3 in 190)**

- **“Pennium” Half-Life Lab Due (All)**
- Ch. 25.4: Nuclear Energy
- Nuclear Energy WS
- Watch “Fusion Energy Explained” Video
- “Star Born” Article & WS (**Due 11/29**)
- **Homework #25-8:** Read Ch. 25.1 pp. 804-809; Finish Nuclear Energy WS.

**Wednesday, November 22, 2017**

- **Minilab:** Nuclear Processes PhETs (**Due 11/28**)

**Thursday, November 23, 2017 –**

**Friday, November 24, 2017**

- **No School – Thanksgiving Break**

Looking ahead: The Chapter 25 Test on Nuclear Chemistry is scheduled for Thursday, November 30, 2017.