Chap 25



**Chemistry Content Standards:** 

> Nuclear Processes are those in which an atomic nucleus changes, including radioactive decay of naturally occurring and human-made isotopes, nuclear fission, and nuclear fusion.

Standard 11c: Students know some naturally occurring isotopes of elements are radioactive, as are isotopes formed in nuclear reactions.

Standard 11d: Students know the three most common forms of radioactive decay (alpha, beta, and gamma) and know how the nucleus changes in each type of decay.

- 25.3.1: Describe what happens in a nuclear chain reaction
- 25.3.2 Explain the role of water in the storage of spent fuel rods
- 25.3.3. Distinguish fission reactions from fusion reactions.

Stamp:

Lab # 6 Decay WB 25.2 Page 808, 9-14 Nuclear Decay Worksheet

Practice:	Nuclear Equations Worksheet
Lecture:	PPT: 25.3 Fission
Lab:	Lab # 7 :Radioactivity and Half-Lives <ul> <li>Flipping penneys 100 times</li> <li>Graph data</li> </ul>
Classwork:	Prac Prob 25.2 Radioactive Decay: Do together as a class
Home Work:	Complete questions: WB 25.3

## **TEST Unit One on Thursday and Friday**