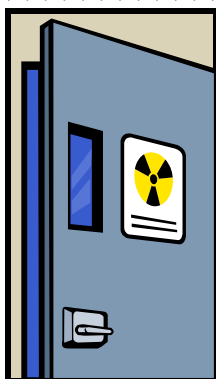


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Nuclear Processes are those in which an atomic nucleus changes, including radioactive decay of naturally occurring and human-made isotopes, nuclear fission, and nuclear fusion.

Standard 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.

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

Lecture: *PPT: 25.3 Fission*

Lab: Lab # 7 :Radioactivity and Half-Lives

- Flipping pennies 100 times
- Graph data

Classwork:

Prac Prob 25.2
Radioactive Decay: Do together as a class

Home Work: Complete questions:
WB 25.3