**CHEM131 TBL**

**Unit 3 – Nuclear Chemistry – Part I**

**Must Know List**

1. Outline the differences between nuclear reactions and chemical reactions.

2. Outline contributions of Dalton, Becquerel, Rutherford and Curie.

3. Differentiate between nuclear fission and nuclear fusion.

4. Describe the makeup of the nucleus.

5. Describe the relationships between neutron-proton ratio and nuclear stability.

6. Explain what is meant by the band of stability.

7. Calculate mass deficiency and nuclear binding energy (See Examples 26-1 & 26-2).