Old Gold HW

Read and outline (Cornell style) **Section 25.2** in your chemistry textbook. Then answer the following assessment questions:

- 1. Write the nuclear equation for the alpha decay of a statine-213.
- 2. Write the nuclear equation for the beta decay of promethium-142.
- 3. Complete and balance the following nuclear equations. Indicate which type of nuclear process is taking place:

a.
$$_{29}^{66}Cu \rightarrow _{30}^{66}Zn + ?$$

b.
$$? \rightarrow_{77}^{181} Ir + {}_{2}^{4} He$$