

Name: _____

Block: _____

Radioactive Decay

Give the equation for radioactive decay of the following:

1. Alpha (α) decay of $^{236}_{94}\text{Pu}$

2. Beta-minus (β^-) decay of $^{245}_{95}\text{Am}$

Give the starting material for the following materials produced by radioactive decay:

3. Alpha (α) decay resulting in $^{267}_{108}\text{Hs}$

4. Beta-minus (β^-) decay resulting in $^{185}_{75}\text{Re}$

Plot and label the locations of each of the starting materials in questions #1–4 on the graph on the back of this page.

