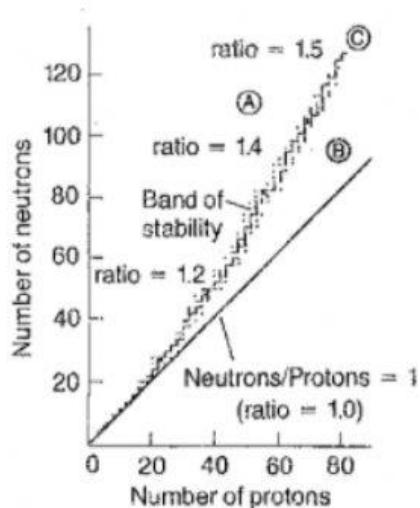


**Do Now: The Band of Stability**

Match each term from the graph with its description:

<input type="checkbox"/> 1. Band of Stability	<input type="checkbox"/> a. Unstable nuclei convert a $p^+$ to an $n^0$
<input type="checkbox"/> 2. neutron/proton ratio = 1.0	<input type="checkbox"/> b.. Stable ratio for heavier isotopes
<input type="checkbox"/> 3. neutron/proton ratio = 1.5	<input type="checkbox"/> c. Contains all stable nuclei
<input type="checkbox"/> 4. Region A	<input type="checkbox"/> d. Unstable nuclei emit alpha particles
<input type="checkbox"/> 5. Region B	<input type="checkbox"/> e. Stable ratio for lighter isotopes
<input type="checkbox"/> 6. Region C	<input type="checkbox"/> f. Unstable nuclei undergo beta decay