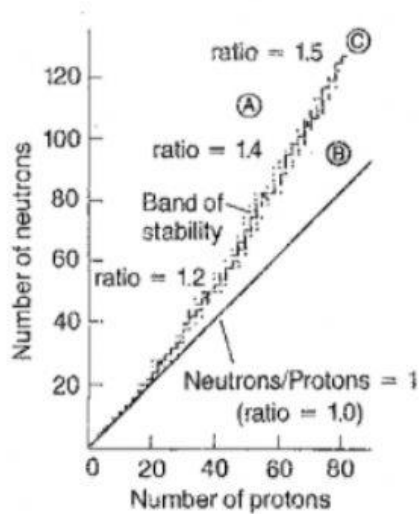


Name: _____ date: _____ block: _____

Do Now: The Band of Stability



Match each term from the graph with its description:

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