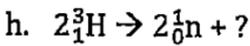
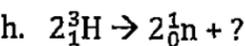
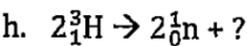
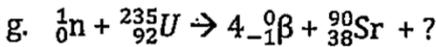
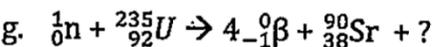
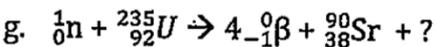
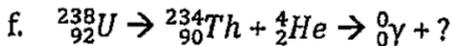
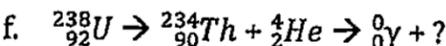
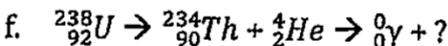
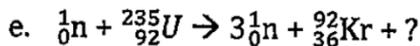
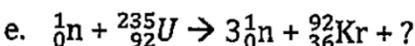
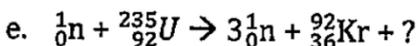
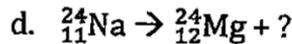
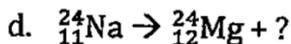
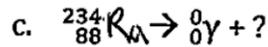
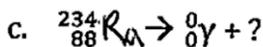
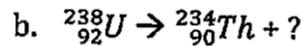
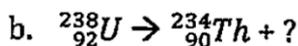
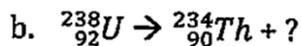
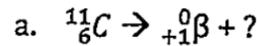
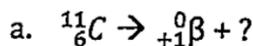
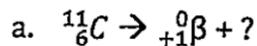


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- 2) Why do we say that the mass of an atom is in the nucleus?
- 3) Copy the chart Mrs. Farmer projects on the board - fill in the info that is missing:
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- 5) Positron emission from Sulfur-31 (emission means it releases/produces that particle)
- 6) Krypton-76 undergoes electron capture (means that it absorbs a beta particle)
- 7) Neutron initiated fission of U-235 results in the release of 2 neutrons, the formation of Cs-144 and another atom (means the uranium is being hit with the neutron to make all those particles mentioned).
- 8) Bombardment of Cl-35 with a neutron produces a sulfur-34 nucleus and another particle (means you are hitting the Cl-35 with the neutron)
- 9) Bismuth-214 can take two paths using Alpha and Beta decay to produce a new nucleus. Write out the equation for the two paths. (Means that this is a decay series – do an alpha reaction first, then that daughter product undergoes a beta reaction)

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