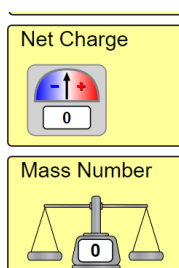
**PART 1.**

- 1- Start with blank atom. Add protons to the circle one at a time. Look at the periodic table. Does the element change?
- 2- Start with blank atom. Add neutrons to the circle one at a time. Look at the periodic table. Does the element change?
- 3- Start with blank atom. Add electrons to the circle one at a time. Look at the periodic table. Does the element change?
- 4- Conclusion: identity of an atom in the periodic table is determined by the number of protons, or neutrons or electrons?

**PART 2**

- 1- Open Net Charge and Mass Number.
- 2- Add 3 protons. Record the change in mass and charge.
- 3- Add 1 electron at a time. Notice the change in mass and charge.
- 4- Add 1 neutron at a time. Notice the change in mass and charge.
- 5- Conclusion: What determines the mass of the atom? What determines the charge on the atom? Complete the table below

**PART 3. Work on the other two parts: Symbol and Game.**