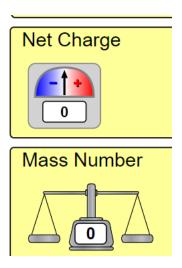


PART 1.

- 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. Ass 1 neutron at a time. Notice the change in mass and charge.
- 5. Conclusion: What determines the mass of the atom?
- 6. What determines the charge on the atom?

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



Complete the table below:

Atom and Symbol Number of Protons Number of Number of Charge				
		Neutrons	Electrons	-