Science 8 - The Atom - notes

Name: _____

Particle	Location	Charge	Mass
Proton			
Neutron			
Electron			

Draw a model of an Atom:		

Inquiry Activity:

- A. Take a package of 20 elements.
- B. As a group decide how to put them in order.
- C. Once they are in order find a **property** that allows you to divide them into 4 groups.
- D. Show me once you feel you have solved the puzzle

Questions to answer about 20 elements:

- 1. What happens to the number of protons as you move from smallest to biggest?
- 2. What happens to the number of neutrons as you move from smallest to biggest?
- 3. Are the number of protons and neutrons always the same?
- 4. What happens to the number of electrons as you move from smallest to biggest?
- 5. Which particles are found in the nucleus?
- 6. Which particle in the nucleus always has the same amount as the number of electrons?

Orbitals:

- 1. Describe how are the electrons organized?
- 2. What is the maximum number of electrons found in each orbit?

Orbit	Max # of Electrons
1	
2	
3	
4	

3. Relate this organization to the four groups that you made?



