NAME	PER	DATE	MAIL BOX

Dalton 1. What did Democritus say about the atom?	2. List the parts of Dalton's Atomic Theory. (5 things)	3. What was significant about Dalton's Atomic Theory as opposed to what Democritus merely suggested?	4. What parts are technically incorrect? (two things)	5. Which portion of Dalton's Atomic Theory is still considered correct today?	6. How did Dalton's model further understanding at the time, of the structure of the atom?

JJ Thomson 1. What are cathode rays?	Describe JJ Thomson's Cathode Ray Experiment.	3. What was Thomson's hypothesis regarding his experiment?	4.What particle did Thomson discover?	5. Describe Thomson's "Plum Pudding" model of the atom. Include a drawing. Label e- and positive parts	6. How did Thomson's model further understanding at the time, of the structure of the atom?
				Describe	
				Draw	7. Give one interesting biographical fact about him.

Rutherford 1. What is an alpha particle?	2. Describe Ernest Rutherford's Gold Foil Experiment.	3. Why did the alpha particles go straight through?	5. What part of the atom did Rutherford discover?	6. Describe Rutherford's model of the atom. Include a drawing. Label e- and nucleus	7. How did Rutherford's model further understanding at the time, of the structure of the atom?
		4. Why were some alpha particles deflect off at sharp angles.		Draw	8. Give one interesting biographical fact about him.

Bohr					
1. What is an orbit or shell?	2. What is bizarre or unusual about electron shells in the Bohr model? Why did people find it hard to swallow?	3. What part of the atom did Bohr discover?	4. Describe Bohr's model of the atom. Include a drawing. Label e- and protons	5. Explain why Bohr's model of the atoms is sometimes called the planetary model.	6. How did Bohr's model further understanding at the time of the structure of the atom?
				Draw	7. Give one interesting biographical fact about him.

Chadwick 1. What problem did Chadwick try to solve?	2. What particle did he discover? Why had it evaded discovery for so long?	3. Describe Chadwick's model of the atom. Include a drawing. Label (e-) protons & neutrons	4. Describe the experiment that led to the discovery of the neutron.	5. What was one leading explanation for the hidden mass of the atom?	6. Why did physicists find the neutron to be the ideal "bullet"? / What did it help to do which changed the world?
				Draw	7. Give one interesting biographical fact about Chadwick .